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(1983-1981)

2251	Cosmic strings. 1981 , 24, 2082-2089	268
2250	Cosmological Density Fluctuations Produced by Vacuum Strings. 1981 , 46, 1169-1172	421
2249	Cosmic strings in unified gauge theories. 1981 , 24, 858-868	91
2248	Walls bounded by strings. 1982 , 26, 435-439	166
2247	SO(10) and the invisible axion. 1982 , 25, 2425-2431	7
2246	Consequences of a Monopole with Dirac Magnetic Charge. 1982 , 49, 1756-1758	32
2245	Quantum radiation by moving mirrors. 1982 , 25, 2569-2575	115
2244	Comments on the cosmological-horizon problem. 1982 , 34, 183-189	5
2243	Acoustic detection of superheavy monopoles in gravitational antennas. 1983, 38, 263-269	30
2242	Constraints on the annihilation of primordial magnetic monopoles. 1983 , 126, 441-444	23
2241	SO(18) grand unified models with fractionally charged color singlet particles. 1983 , 145, 1-26	4
2240	ParticleEntiparticle annihilation in diffusive motion. 1983, 78, 2642-2647	673
2239	New Limit on Magnetic Monopole Flux. 1983 , 50, 655-658	44
2238	String cosmologies. 1983 , 28, 2414-2419	271
2237	Domain walls. I. Axion models. 1983 , 27, 332-338	8
2236	Density Fluctuations from Strings and Galaxy Formation. 1983 , 51, 1716-1719	86
2235	Axions and the dark matter of the Universe. 1983 , 27, 995-997	48
2234	Supersymmetric grand unified theories and cosmology. 1983 , 27, 2538-2541	2

2233	Domain walls. II. Baryon-number generation. 1983 , 28, 1419-1424	17
2232	SO(10) Vortices, Zero Modes, and Family Cloning. 1984 , 52, 2118-2121	9
2231	String-Dominated Universe. 1984 , 53, 1016-1018	113
2230	Cosmic Strings and Galaxy Formation. 1984 , 53, 1700-1703	118
2229	Gravitationally repulsive domain wall. 1984 , 30, 712-719	295
2228	Gravitational instability and curvature effect at finite temperature. 1984 , 29, 2220-2227	16
2227	Radiation from vacuum strings and domain walls. 1984 , 30, 2046-2053	49
2226	Formation and evolution of cosmic strings. 1984 , 30, 2036-2045	262
2225	Gravitational interactions of cosmic strings. 1984 , 311, 109-114	170
2224	The inflationary Universe. 1984 , 47, 925-986	537
2224	The inflationary Universe. 1984 , 47, 925-986 Cosmic separation of phases. 1984 , 30, 272-285	2105
2223		
2223	Cosmic separation of phases. 1984, 30, 272-285	2105
2223	Cosmic separation of phases. 1984 , 30, 272-285 New limit on the flux of slowly moving magnetic monopoles. 1984 , 10, 447-454	2105
2223	Cosmic separation of phases. 1984, 30, 272-285 New limit on the flux of slowly moving magnetic monopoles. 1984, 10, 447-454 Evolution of cosmic strings. 1985, 54, 1868-1871 Monopoles on strings. 1985, 55, 2398-2400	2105 6 272
2223 2222 2221 2220	Cosmic separation of phases. 1984, 30, 272-285 New limit on the flux of slowly moving magnetic monopoles. 1984, 10, 447-454 Evolution of cosmic strings. 1985, 54, 1868-1871 Monopoles on strings. 1985, 55, 2398-2400 Goldstone bosons in string models of galaxy formation. 1985, 32, 3172-3177	2105 6 272 64
2223 2222 2221 2220 2219	Cosmic separation of phases. 1984, 30, 272-285 New limit on the flux of slowly moving magnetic monopoles. 1984, 10, 447-454 Evolution of cosmic strings. 1985, 54, 1868-1871 Monopoles on strings. 1985, 55, 2398-2400 Goldstone bosons in string models of galaxy formation. 1985, 32, 3172-3177	2105 6 272 64 86

[1986-1986]

221	5 Spinning cosmic strings and quantization of energy. 1986 , 57, 929-932	107
221	4 Microwave background fluctuations and dark matter. 1986 , 320, 585-594	3
221	3 Galaxy clustering and the dark-matter problem. 1986 , 320, 517-541	10
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221	Gas-dynamic effects of cosmic strings. 1986 , 23, 485-491	3
221	o Cosmic string, hydrodynamics and microanisotropies in the cosmic background radiation. 1986 , 323, 42-44	
220	Charged vortex of finite energy in nonabelian gauge theories with Chern-Simons term. 1986 , 178, 395-399	51
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220	6 Cosmic strings as random walks. 1986 , 33, 3556-3559	31
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220	Gravitational effects of global strings. 1986 , 33, 333-337	5
220	$_{2}$ Cosmic strings and the formation of galaxies and clusters of galaxies. 1986 , 33, 2175-2181	129
220	o ₁ String-dominated universe. 1986 , 33, 328-332	22
220	Evolution of cosmic strings. 1986 , 33, 872-888	104
219	9 Cosmic string networks. 1986 , 34, 434-439	21
219	8 Phase transition induced by cosmic strings. 1986 , 34, 1237-1240	21

2197	Generalised cosmic strings. 1987 , 4, 1-9	44
2196	Analytical approach to string-induced phase transition. 1987 , 35, 3100-3104	8
2195	Numerical simulation of cosmic-string evolution in flat spacetime. 1987 , 36, 990-996	34
2194	Cosmic balls of trapped neutrinos. 1987 , 36, 1000-1006	25
2193	Texture: A cosmological topological defect. 1987 , 35, 3705-3708	65
2192	Cosmic strings and Einstein-Rosen soliton waves. 1987 , 36, 2250-2258	30
2191	Magnetic monopoles from superstring models. 1987 , 58, 1707-1710	47
2190	Gravitational stability of local strings. 1987 , 59, 740-743	82
2189	Gravitational particle production in the formation of cosmic strings. 1987 , 59, 1369-1372	47
2188	Fermion masses on the vortex world sheet. 1987 , 36, 2267-2272	6
2187	Weak resistance in superconducting cosmic strings. 1987 , 36, 2905-2914	8
2186	Relativistic bubble dynamics: From cosmic inflation to hadronic bags. 1987 , 35, 2961-2975	44
2185	Variational study of ordinary and superconducting cosmic strings. 1987 , 59, 2493-2496	24
2184	Discontinuity cylinder model of gravitating U(1) cosmic strings. 1987 , 35, 2933-2939	18
2183	Properties of Z2 strings. 1987 , 35, 3105-3115	24
2182	Fractal geometry of cosmic strings and correlations among galaxies and Abell clusters. 1987 , 35, 1141-1145	2
2181	Kaluza-Klein theories. 1987 , 50, 1087-1170	161
2180	Multiple cosmic strings. 1987, 4, L75-L77	56

2179 Relativistic kinetic theory of a system of cosmic strings: General formalism. 1987 , 175, 213-230	4
2178 A vortex-line model for infinite straight cosmic strings. 1987 , 124, 240-242	66
2177 Amplification of correlation functions by gravity in the cosmic string model. 1987 , 191, 257-262	3
2176 Domain walls in superstring models. 1987 , 198, 461-466	8
2175 Casimir force between a plate and a straight line. 1987 , 195, 240-244	1
2174 Is inflation compatible with string-induced galaxy formation?. 1987 , 185, 34-38	19
2173 On the motion of cosmic strings in a gas. 1988 , 27, 690-695	
2172 On the initial conditions for super-exponential inflation. 1988 , 215, 635-641	47
2171 Global string singularities. 1988 , 215, 663-668	85
2170 Superconducting cosmic strings with coupled zero modes. 1988 , 200, 429-433	12
2169 A topological model for baryon production in jets. 1988 , 214, 161-168	39
2168 Finite-width corrections to the Nambu action for the Nielsen-Olesen string. 1988 , 202, 376-380	79
2167 Electromagnetic luminosity function of superconducting cosmic string loops. 1988 , 211, 32-36	1
2166 Superconducting strings or springs?. 1988 , 209, 255-261	52
Vortex scattering in two dimensions. 1988 , 209, 262-270	75
2164 A natural way out of the conflict between cosmic strings and inflation. 1988 , 212, 273-276	56
Screening of the current in superconducting cosmic strings by vacuum polarization effects. 1988 , 202, 493-496	1
2162 Thermodynamics of a system of cosmic strings: Equilibrium states. 1988 , 101, 103-117	2

2161	Index theorems and superconducting cosmic strings. 1988 , 37, 2838-2852	16
2160	Gravitational field of a global string. 1988 , 37, 3438-3440	69
2159	String-driven inflation. 1988 , 60, 549-552	118
2158	Clusters of galaxies from cosmic strings. 1988 , 38, 3610-3618	8
2157	Rotating cosmic strings and gravitational soliton waves. 1988 , 38, 498-505	21
2156	Cosmic strings in an expanding spacetime. 1988 , 37, 1401-1405	10
2155	Evidence for a Nambu-Goldstone boson. 1988 , 61, 783-786	32
2154	Energy-density spectrum of the vacuum around a cosmic string. 1988 , 38, 1331-1333	2
2153	Cosmiclike domain walls in superfluid 3He-B: Instantons and diabolical points in (k,r) space. 1988 , 37, 9298-9311	80
2152	Self-intersections in a three-parameter space of cosmic strings. 1988 , 37, 863-868	19
2151	Are cosmic strings frustrated?. 1988 , 38, 1100-1107	11
2150	Primordial origin of nontopological solitons. 1988 , 60, 2101-2104	142
2149	Gravitational time delay due to a spinning string. 1988 , 38, 3320-3322	23
2148	Motion of test particles and light rays around massive conducting cosmic string. 1988 , 38, 698-701	9
2147		
17	Dynamics of cosmic string. 1988 , 37, 283-297	24
.,	Dynamics of cosmic string. 1988 , 37, 283-297 Dynamics of the lambda phi4 kink. 1988 , 38, 3823-3826	16
.,		

2143	Cosmic strings and ultrahigh-energy cosmic rays. 1989 , 40, 3968-3975	47
2142	Cosmology of biased discrete symmetry breaking. 1989 , 39, 1558-1566	74
2141	Mechanism for current generation in strings and internal phase transitions in strings. 1989 , 39, 412-419	3
2140	Gravitational fields of straight and circular cosmic strings: Relation between gravitational mass, angular deficit, and internal structure. 1989 , 39, 1084-1096	67
2139	Formation of topological defects in phase transitions. 1989 , 39, 3557-3567	13
2138	Monte Carlo model of domain-wall formation. 1989 , 40, 1798-1800	2
2137	Nonstationary general-relativistic "strings". 1989 , 40, 3287-3301	15
2136	General-relativistic domain walls. 1989 , 39, 3571-3575	65
2135	Scaling in a string network. 1989 , 40, 1017-1021	5
2134	Exact solutions for cosmic strings in closed universes. 1989 , 40, 1854-1857	
2133	Inflation can save cosmic strings. 1989 , 63, 712-715	60
2132	Scaling in a non-Abelian string network. 1989 , 40, 3325-3329	1
2131	Collapse of nearly spherical domain walls. 1989 , 39, 3576-3578	17
2130	Evolution of cosmic string networks. 1989 , 40, 973-1001	211
2129	Cosmological cosmic strings. 1989 , 39, 2108-2114	19
2128	Vacuum polarization in gravitational and electromagnetic fields around a superconducting string. 1989 , 40, 2134-2136	5
2127	Geodesics in spacetimes containing cosmic strings. 1989 , 6, 1313-1341	41
2126	Cosmic walls and axially symmetric Imodels. 1989 , 6, 705-716	6

2125	Cosmic strings, inflationary-universe models and the formation of structure. 1989 , 15, 1-35	24
2124	Thin walls in regions with vacuum energy. 1989 , 6, 1819-1837	12
2123	The Behaviour of Effective Coupling Constants in E initel©rand Unification Theories in Curved Space-Time with Torsion. 1989 , 8, 595-598	17
2122	Cosmic strings and intermediate scale structure of the universe. 1989 , 104, 353-360	
2121	Relic magnetic monopoles in the inflationary universe. 1989 , 231, 49-52	14
2120	Anti-baryon production in heavy-ion collisions. 1989 , 233, 223-230	89
2119	Gravitational particle production during cosmic string formation. 1989 , 232, 299-301	6
2118	Meissner screening by induced weak charge in the dense Weinberg-Salam system. 1989 , 220, 623-628	4
2117	New regimes in the initial cosmic string network. 1989 , 227, 347-351	13
2116	Equilibrium configurations of a cosmic string near a rotating black hole. 1989 , 224, 255-258	73
2116	Equilibrium configurations of a cosmic string near a rotating black hole. 1989 , 224, 255-258 Cosmic strings and baryogenesis. 1989 , 218, 304-308	73
2115		
2115	Cosmic strings and baryogenesis. 1989 , 218, 304-308	
2115	Cosmic strings and baryogenesis. 1989 , 218, 304-308 Motion of bodies in Schwarzschild spacetime with conical singularities. 1989 , 80, 874-886 Cosmological consequences of the relativistic theory of gravitation with massive gravitons. 1989 ,	22
2115 2114 2113	Cosmic strings and baryogenesis. 1989, 218, 304-308 Motion of bodies in Schwarzschild spacetime with conical singularities. 1989, 80, 874-886 Cosmological consequences of the relativistic theory of gravitation with massive gravitons. 1989, 79, 554-558	5
2115 2114 2113 2112	Cosmic strings and baryogenesis. 1989, 218, 304-308 Motion of bodies in Schwarzschild spacetime with conical singularities. 1989, 80, 874-886 Cosmological consequences of the relativistic theory of gravitation with massive gravitons. 1989, 79, 554-558 String mediated phase transitions. 1989, 158, 460-478 Gravitational Aharonov-Bohm radiation in string-generated conical space-time. 1989, 193, 142-165	5
2115 2114 2113 2112 2111	Cosmic strings and baryogenesis. 1989, 218, 304-308 Motion of bodies in Schwarzschild spacetime with conical singularities. 1989, 80, 874-886 Cosmological consequences of the relativistic theory of gravitation with massive gravitons. 1989, 79, 554-558 String mediated phase transitions. 1989, 158, 460-478 Gravitational Aharonov-Bohm radiation in string-generated conical space-time. 1989, 193, 142-165 String and wall formation in the early universe. 1989, 158, 479-498	225342

(1990-1989)

2107	Global texture as the origin of cosmic structure. 1989 , 63, 2625-2628	219
2106	Baryon production in a topological model. 1989 , 327, 32-48	17
2105	The large-scale structure of the universe: Turbulence, intermittency, structures in a self-gravitating medium. 1989 , 61, 185-220	615
2104	Gravitational field of a global monopole. 1989 , 63, 341-343	602
2103	Cosmic Strings: Topological Fossils of the Hot Big Bang. 1989 , 42, 29-35	15
2102	The statistical properties of rigid strings. 1990 , 236, 49-53	5
2101	Ultrahigh-energy particle flux from cosmic strings. 1990 , 246, 365-370	60
2100	Gravitational particle production in the formation of global monopoles and domain walls. 1990 , 246, 371-376	3
2099	Gravitational effects of line sources and the zero-width limit. 1990 , 251, 498-502	10
2098	On the numerical solution of Vilenkin's string loop equation in Robertson-Walker universes. 1990 , 237, 192-195	7
2097	On the particle multiplicity in high-energy e+eltollisions. 1990 , 235, 341-346	15
2096	Gravitational particle production in the formation of global monopoles. 1990 , 234, 469-472	10
2095	Some exact solutions in string cosmology. 1990 , 22, 123-130	145
2094	Photon magnetic mass and Meissner effect in the Bose-Einstein condensate of W-mesons. 1990 , 201, 51-82	3
2093	Inflation. 1990 , 190, 307-403	395
2092	Cosmic Magnetic Fields and Superconducting Strings. 1990 , 140, 507-512	2
2091	Partial magnetic screening by the electroweak vacuum. 1990 , 16, 1175-1180	
2090	Cosmic loops and bubbles in expanding universes. 1990 , 7, 597-610	8

des Cloizeaux's law for strings. II. Non-Abelian configurations. 1990 , 42, 3371-3375	1
2088 des Cloizeaux's law for strings. I. Abelian configurations. 1990 , 42, 3362-3370	1
2087 Topological defects in extended inflation. 1990 , 42, 2911-2914	8
2086 Cosmological domain walls coupled to gravity. 1990 , 41, 3047-3051	1
2085 Repulsive gravitational effects of global monopoles. 1990 , 42, 2626-2631	132
2084 Existence and stability of nontopological fermion strings. 1990 , 42, 2035-2039	3
2083 String production as a model of hadronization in the quark-gluon plasma. 1990 , 42, 4228-4237	4
2082 Cosmological evolution of global monopoles and the origin of large-scale structure. 1990 , 65, 1709-1712	83
2081 High-resolution simulations of cosmic-string evolution. I. Network evolution. 1990 , 41, 2408-2433	228
2080 Cosmic-string evolution in flat spacetime. 1990 , 42, 349-353	32
2079 General two-harmonic cosmic string. 1990 , 41, 1775-1782	11
2078 Causality bounds and monopoles connected by strings. 1990 , 42, 3422-3432	2
2077 Role of baryons in chiral-symmetry restoration at high temperature. 1990 , 42, 224-234	7
2076 Gravitational waves emitted from infinite strings. 1990 , 42, 354-360	69
2075 Evolution of nonspherical bubbles. 1990 , 41, 347-353	18
2074 Time evolution of vortex lines. 1990 , 41, 1914-1919	9
2073 Global texture and the microwave background. 1990 , 64, 2736-2739	175
2072 Metastability in the early Universe. 1990 , 42, 3350-3361	14

2071	Cosmic-string evolution: A numerical simulation. 1990 , 64, 119-122	375
2070	The large-scale bending of cosmic strings. 1990 , 7, 1-14	19
2069	GENERATION OF DENSITY PERTURBATIONS IN INFLATIONARY UNIVERSE. 1990 , 32-84	
2068	Domain-wall number in various invisible-axion models. 1990 , 41, 3848-3850	8
2067	Natural inflation with pseudo Nambu-Goldstone bosons. 1990 , 65, 3233-3236	874
2066	Quantum-field-theoretical processes near cosmic strings: Transition probabilities and localization. 1991 , 44, 980-990	19
2065	Monopole-antimonopole annihilation in a nematic liquid crystal. 1991 , 67, 1570-1573	66
2064	Initial conditions for global texture. 1991 , 258, 310-317	18
2063	Kinetics of the superconducting transition. 1991 , 66, 3071-3074	100
2062	Closed timelike curves produced by pairs of moving cosmic strings: Exact solutions. 1991 , 66, 1126-1129	243
	Closed timelike curves produced by pairs of moving cosmic strings: Exact solutions. 1991 , 66, 1126-1129 Scaling solution for cosmological sigma models at large N. 1991 , 66, 3093-3096	24375
2061		
2061 2060	Scaling solution for cosmological sigma models at large N. 1991 , 66, 3093-3096	75
2061 2060 2059	Scaling solution for cosmological sigma models at large N. 1991 , 66, 3093-3096 Confining phase of superstrings and axionic strings. 1991 , 43, 526-538	75 134
2061 2060 2059	Scaling solution for cosmological sigma models at large N. 1991 , 66, 3093-3096 Confining phase of superstrings and axionic strings. 1991 , 43, 526-538 Cosmology in the laboratory: defect dynamics in liquid crystals. 1991 , 251, 1336-42	75 134 513
2061 2060 2059 2058	Scaling solution for cosmological sigma models at large N. 1991, 66, 3093-3096 Confining phase of superstrings and axionic strings. 1991, 43, 526-538 Cosmology in the laboratory: defect dynamics in liquid crystals. 1991, 251, 1336-42 Cosmic strings and the large-scale structure of the Universe. 1991, T36, 114-126	75 134 513 23
2061 2060 2059 2058	Scaling solution for cosmological sigma models at large N. 1991, 66, 3093-3096 Confining phase of superstrings and axionic strings. 1991, 43, 526-538 Cosmology in the laboratory: defect dynamics in liquid crystals. 1991, 251, 1336-42 Cosmic strings and the large-scale structure of the Universe. 1991, T36, 114-126 Cosmic global strings. 1991, T36, 127-134	75 134 513 23

Quark-number susceptibility and fluctuations in the vector channel at high temperatures. 1991 , 271, 395-402	100
2052 Massless particle radiation of Vilenkin's planar domain wall. 1991 , 264, 274-276	2
2051 Baryogenesis from collapsing topological defects. 1991 , 263, 239-244	46
2050 Clustering of cosmological defects at the time of formation. 1991 , 260, 27-31	13
2049 Formation of topological and nontopological defects in the early universe. 1991 , 262, 215-221	19
2048 Anomalous electroweak processes in a strong magnetic field. 1991 , 256, 442-450	5
2047 Baryons and the QCD phase transition. 1991 , 20, 340-342	
2046 Prolate collapse of string loops and domain walls. 1991 , 8, L199-L204	4
Plane walls interacting with gravitational waves and matter fields. 1991 , 32, 2863-2868	9
2044 First-order inflation. 1991 , T36, 199-217	51
2043 Importance of boundary conditions for topological production of textures and Skyrmions. 1991 , 43, 10	047-105514
2042 Evolution of light domain walls interacting with dark matter. 1991 , 43, 346-352	12
2041 Thin walls and plane-symmetric fluids with pressure equal to energy density. 1991 , 43, 3856-3860	2
2040 When does causality constrain the monopole abundance?. 1991 , 43, 3188-3190	7
2039 Planar domain walls emitting and absorbing electromagnetic radiation. 1991 , 44, 1705-1712	6
2038 Radiation of Nambu-Goldstone bosons from infinitely long cosmic strings. 1991 , 44, 3767-3773	11
2037 Late-time coarsening dynamics in a nematic liquid crystal. 1991 , 66, 2472-2475	121
2036 Glueball and baryon production in parton showers. 1991 , 67, 306-309	4

2035	Double-field inflation. 1991 , 43, 353-361	80
2034	Superconducting strings and stable loops. 1991 , 43, 3966-3971	
2033	Monte Carlo simulation of texture formation. 1991 , 44, 3749-3759	25
2032	Gravitational effects of global textures. 1991 , 43, 961-964	21
2031	Monopoles of SU(15) grand unification. 1991 , 44, R1366-R1368	10
2030	Straight cosmic strings in linearized R+R 2 gravity. 1992 , 9, 157-171	1
2029	Quantum fluctuations of a spherical gravitational shock wave. 1992 , 9, 1619-1629	5
2028	Motion of test particles around cosmic strings. 1992 , 9, L111-L114	7
2027	How efficient is the Langacker-Pi mechanism of monopole annihilation?. 1992 , 69, 241-244	10
2026	Fermionic vortex solutions in Chern-Simons electrodynamics. 1992 , 45, 3802-3806	16
2025	Gravitational radiation from cosmic strings. 1992 , 45, 1898-1912	58
2024	Texture collapse. 1992 , 45, 1971-1981	9
2023	Toward an effective chiral model of high-temperature QCD. 1992 , 45, 4681-4694	2
2022	Numerical simulation of bubble collision and formation of vortices. 1992 , 45, R3304-R3307	17
2021	Metastable cosmic strings in realistic models. 1992 , 46, 5352-5359	21
2020	Axions and the QCD phase transition. 1992 , 45, 1130-1138	7
2019	Photon/proton ratio as a diagnostic tool for topological defects as the sources of extremely high-energy cosmic rays. 1992 , 46, 4188-4192	45
2018	Semilocal defects. 1992 , 46, 4218-4231	41

2017 Perturbations from cosmic strings in cold dark matter. 1992 , 68, 2121-2124	65
2016 Are textures natural?. 1992 , 69, 1485-1488	31
2015 Low-mass current-carrying cosmic strings. 1992 , 46, 3322-3334	21
2014 Cosmological texture is sensitive to Planck-scale physics. 1992 , 69, 1489-1492	33
2013 Cold-dark-matter cosmology with non-Gaussian fluctuations from inflation. 1992 , 45, 1139-1157	39
2012 An attempt toward string cosmology. 1992 , 45, 2636-2646	2
2011 Phase transitions and formation of bubbles in the early Universe. 1992 , 45, 4400-4410	2
Numerical simulation of dynamical production of vortices by critical and subcritical bubbles. 1992 , 46, 1353-1367	25
2009 Cosmic strings with curvature corrections. 1992 , 46, 1721-1729	21
2008 Production of spin-1/2 particles in inhomogeneous cosmologies. 1992 , 45, 4428-4438	30
2007 Existence and stability of semilocal strings. 1992 , 68, 1263-1266	147
2006 Pair creation and decay of a massive particle near and far away from a cosmic string. 1992 , 45, 1103-1112	6
2006 Pair creation and decay of a massive particle near and far away from a cosmic string. 1992 , 45, 1103-1112 2005 The asymmetric rotor as a model for localization. 1992 , 64, 623-632	6 15
2005 The asymmetric rotor as a model for localization. 1992 , 64, 623-632	
The asymmetric rotor as a model for localization. 1992 , 64, 623-632 Cosmic inflation and cosmic string. 1992 , 31, 1417-1420	15
The asymmetric rotor as a model for localization. 1992, 64, 623-632 Cosmic inflation and cosmic string. 1992, 31, 1417-1420 A spinning string. 1992, 24, 111-117	15 26

1999 Initial conditions for inflation. 1992 , 214, 223-292	173
1998 Superconducting cosmic strings and primordial magnetic fields. 1992 , 293, 287-293	26
Cosmological implications of domain walls due to duality invariant moduli sector of superstring vacua. 1992 , 296, 316-322	4
1996 Monopole baryogenesis in the Langacker-Pi scenario. 1992 , 293, 123-126	1
1995 A family of exact solutions for the SU(5) coupled Einstein-Yang-Mills-Higgs system. 1992 , 107, 863-873	4
A family of exact axisymmetric solutions for the SU(5) coupled Einstein-Yang-Mills-Higgs system. 1994 1992 , 107, 1397-1406	1
1993 Monopole non-annihilation at the electroweak scale. 1992 , 284, 309-316	5
1992 Model of a superconducting cosmic string. 1992 , 286, 234-238	3
1991 Avoiding the domain wall problem with horizontal Peccei-Quinn symmetry. 1992 , 286, 247-250	
1990 Composite axion models and Planck scale physics. 1992 , 284, 77-80	48
1990 Composite axion models and Planck scale physics. 1992 , 284, 77-80 1989 Cosmological limits on stable particle production at high energy. 1992 , 284, 81-87	48 7
	_
1989 Cosmological limits on stable particle production at high energy. 1992 , 284, 81-87	7
1989 Cosmological limits on stable particle production at high energy. 1992, 284, 81-87 1988 Vortex scattering in the Abelian Higgs model. 1992, 26, 240-246 A parallel code for the numerical simulation of flux tubes in superconductors and cosmic strings.	7
Cosmological limits on stable particle production at high energy. 1992 , 284, 81-87 1988 Vortex scattering in the Abelian Higgs model. 1992 , 26, 240-246 A parallel code for the numerical simulation of flux tubes in superconductors and cosmic strings. 1987 , 78, 141-154	7
Cosmological limits on stable particle production at high energy. 1992, 284, 81-87 1988 Vortex scattering in the Abelian Higgs model. 1992, 26, 240-246 A parallel code for the numerical simulation of flux tubes in superconductors and cosmic strings. 1987, 78, 141-154 Galaxy formation and Hubble sequence. 1993, 231, 293-365	7 2 35
Cosmological limits on stable particle production at high energy. 1992, 284, 81-87 1988 Vortex scattering in the Abelian Higgs model. 1992, 26, 240-246 A parallel code for the numerical simulation of flux tubes in superconductors and cosmic strings. 1993, 78, 141-154 Galaxy formation and Hubble sequence. 1993, 231, 293-365 Dynamical evolution of wall-string systems. 1993, 318, 53-58	7 2 35 4

1981	Differential structure of space-time and its prolongations to singular boundaries. 1993 , 32, 625-648	10
1980	Creation of quantized vortices at the lambda transition in liquid helium-4. 1993 , 93, 1059-1067	22
1979	Uniform anisotropic cosmological model with string source. 1993 , 202, 69-75	31
1978	Inflationary cosmology. 1993 , 41, 473-484	
1977	Thermal equilibrium during the electroweak phase transition. 1993 , 57, 331-337	18
1976	The cold dark matter density perturbation. 1993 , 231, 1-105	578
1975	A predictive inflationary scenario without the gauge singlet. 1993 , 308, 17-22	19
1974	Electroweak baryogenesis with electroweak strings. 1993 , 308, 79-84	65
1973	Cosmic wake fields. 1993 , 315, 239-244	1
1972	Coarsening dynamics in uniaxial nematic liquid crystals. 1993 , 47, 3343-3356	75
1971	Natural inflation: Particle physics models, power-law spectra for large-scale structure, and constraints from the Cosmic Background Explorer. 1993 , 47, 426-455	399
1970	Gravitational fields of cosmic membranes. 1993 , 10, 131-146	33
1969	A stationary solution for cosmic strings. 1993 , 10, 125-129	3
1968	Collisions of cosmic walls. 1993 , 10, L29-L33	4
1967	Recent advances in extended inflationary cosmology. 1993 , 10, S33-S48	19
1966	Comparison of the Sachs-Wolfe effect for Gaussian and non-Gaussian fluctuations. 1993 , 47, 409-415	
1965	Gravitational field around spacelike and timelike current-carrying cosmic strings. 1993 , 48, 5546-5561	26
1964	Anisotropies of cosmic background radiation due to long cosmic strings. 1993 , 47, 2297-2301	3

1963 Gravitational field of radiating cosmic string. 1993 , 47, 711-713	2
1962 Microwave background radiation anisotropy from scalar field gradients. 1993 , 48, 2421-2430	5
1961 Decay of metastable topological defects. 1993 , 47, 2324-2342	62
1960 Domain walls, wakes, and structure formation. 1993 , 47, 3177-3183	3
1959 Weyl cosmic strings and their consequences. 1993 , 48, 554-556	3
1958 Evolution of cosmic string configurations. 1993 , 48, 5594-5627	105
1957 Entropy of the gravitational field. 1993 , 48, 2443-2455	64
1956 Role of quantum fluctuations in defect-dominated transitions. 1993 , 47, 5316-5322	10
1955 Small-scale structure on cosmic strings. 1993 , 48, R3422-R3426	7
1954 Closed strings with low harmonics and kinks. 1993 , 48, 2548-2562	1
1953 Numerical study of the lowest-energy configurations for global string-antistring pairs. 1993 , 47, 1324-1332	6
Testing for the Gaussian nature of cosmological density perturbations through the three-point temperature correlation function. 1993 , 71, 1124-1127	37
1951 Topological defects in gravitational theories with nonlinear Lagrangians. 1993 , 47, 3303-3311	11
Comments on some metric properties of cosmic strings having a non-degenerate stressenergy tensor. 1994 , 11, 131-137	19
1949 Extragalactic magnetic fields. 1994 , 57, 325-382	804
1948 Quantum processes: stimulated and spontaneous emission near cosmic strings. 1994 , 11, 347-358	13
1947 Numerical methods in cosmological global texture simulations. 1994 , 50, 3676-3683	6
1946 Dynamics of cylindrical and spherical relativistic domain walls of finite thickness. 1994 , 49, 4154-4166	24

1945	Baryogenesis through collapsing string loops in gauged baryon and lepton models. 1994 , 49, 3837-3843	4
1944	Texture-induced microwave background anisotropies. 1994 , 50, 2469-2478	13
1943	Statistical tests for the Gaussian nature of primordial fluctuations through CBR experiments. 1994 , 49, 3810-3829	18
1942	Phase ordering dynamics of cosmological models. 1994 , 50, 2523-2537	9
1941	Semiclassical equations for weakly inhomogeneous cosmologies. 1994 , 49, 1861-1880	96
1940	Quasilinear evolution of compensated cosmological perturbations: The nonlinear sigma model. 1994 , 49, 3893-3909	27
1939	Formation of topological defects in first order phase transitions. 1994 , 49, 1944-1950	36
1938	Closed-form expression for the gravitational radiation rate from cosmic strings. 1994 , 50, 2496-2518	25
1937	Cosmic rays from cosmic strings. 1994 , 50, 3660-3665	31
1936	Cosmic structure formation and microwave anisotropies from global field ordering. 1994 , 49, 692-729	112
1936 1935	Cosmic structure formation and microwave anisotropies from global field ordering. 1994 , 49, 692-729 Spontaneous current generation in cosmic strings. 1994 , 49, 5052-5062	112 25
1935		
1935	Spontaneous current generation in cosmic strings. 1994 , 49, 5052-5062	25
1935 1934	Spontaneous current generation in cosmic strings. 1994 , 49, 5052-5062 Statistical mechanics of strings on periodic lattices. 1994 , 49, 4089-4093	25 19
1935 1934 1933	Spontaneous current generation in cosmic strings. 1994, 49, 5052-5062 Statistical mechanics of strings on periodic lattices. 1994, 49, 4089-4093 Gravity and the domain-wall problem. 1994, 49, 2729-2733 Perturbative method to solve fourth-order gravity field equations. 1994, 49, 5188-5193	25 19 61
1935 1934 1933 1932	Spontaneous current generation in cosmic strings. 1994, 49, 5052-5062 Statistical mechanics of strings on periodic lattices. 1994, 49, 4089-4093 Gravity and the domain-wall problem. 1994, 49, 2729-2733 Perturbative method to solve fourth-order gravity field equations. 1994, 49, 5188-5193	25196123
1935 1934 1933 1932	Spontaneous current generation in cosmic strings. 1994, 49, 5052-5062 Statistical mechanics of strings on periodic lattices. 1994, 49, 4089-4093 Gravity and the domain-wall problem. 1994, 49, 2729-2733 Perturbative method to solve fourth-order gravity field equations. 1994, 49, 5188-5193 False vacuum inflation with Einstein gravity. 1994, 49, 6410-6433	25196123

1927 Vortex creation in a fast adiabatic expansion through the lambda transition. **1994**, 194-196, 711-712

1926 QCD phenomenology based on a chiral effective Lagrangian. 1994 , 247, 221-367	1234
Non-intercommuting configurations in the collisions of type I U(1) cosmic strings. 1994 , 332, 297-304	26
1924 Formation of topological defects in a second order phase transition. 1994 , 332, 305-311	16
1923 Cosmic strings and electroweak baryogenesis. 1994 , 335, 123-130	49
1922 Phase transitions in two-dimensional cosmology and polymer systems. 1994 , 193, 31-34	2
Topological and geometrical phases due to gravitational field with curvature and torsion. 1994 , 195, 284-292	34
1920 Lensing properties of lightlike current-carrying cosmic strings. 1994 , 11, 1743-1762	10
1919 A charged particle in multiconical spaceEtime. 1994 , 37, 889-892	1
1918 Monopole and dyon solutions for theSU(5) coupled Einstein-Yang-Mills-Higgs system. 1994 , 109, 917-927	1
1917 The cosmological kibble mechanism in the laboratory: string formation in liquid crystals. 1994 , 263, 943-5	278
1916 Cylindrically symmetric thin walls in general relativity. 1994 , 35, 951-958	7
1915 Black hole thermodynamics and global monopoles. 1994 , 430, 427-440	23
1914 Extrinsic curvature dependence of Nielsen-Olesen strings. 1994 , 428, 221-232	68
Non-zero helicity generalization of the Nielsen-Olesen string solution. 1994 , 34, 305-310	2
1912 Planar and axisymmetric walls in general relativity, a comparison. 1994 , 35, 3604-3611	6
1911 Quasar Constraints on the Cosmic String Models. 1995 , 454, L81-L84	5
1910 On curved vortex solutions in the Abelian Higgs model. 1995 , 36, 1054-1062	1

1909	Some spatially homogeneous string cosmological models. 1995 , 27, 1207-1213	44
1908	Biased discrete symmetry breaking and Fermi balls. 1995 , 347, 205-210	32
1907	Biased discrete symmetry and domain wall problem. 1995 , 352, 214-219	17
1906	Cosmic strings are current-carrying. 1995 , 358, 197-202	19
1905	An extension to models for cosmic string formation. 1995 , 364, 149-156	6
1904	Cosmological experiments in liquid 4He: status and prospects. 1995 , 210, 209-214	2
1903	MITO: a procedure for CBA measurements and a search for cosmic strings. 1995 , 18, 305-324	1
1902	Axisymmetric monopole and dyon solutions for theSU(5) coupled Einstein-Yang-Mills-Higgs system. 1995 , 110, 207-218	
1901	Charged particle in the spacetime of a supermassive cosmic string. 1995 , 103, 603-611	10
1900	String cosmology with electromagnetic fields in Bianchi-type-II, -VIII and -IX space-time. 1995 , 110, 1463-1471	20
	String cosmology with electromagnetic fields in Bianchi-type-II, -VIII and -IX space-time. 1995 , 110, 1463-1471 Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995 , 52, 5588-5597	20
1899		
1899 1898	Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995 , 52, 5588-5597	11
1899 1898 1897	Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995 , 52, 5588-5597 Modular cosmology. 1995 , 52, 3548-3562	11 108
1899 1898 1897 1896	Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995, 52, 5588-5597 Modular cosmology. 1995, 52, 3548-3562 Domain walls in a FRW universe. 1995, 52, 5516-5528	11 108
1899 1898 1897 1896	Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995, 52, 5588-5597 Modular cosmology. 1995, 52, 3548-3562 Domain walls in a FRW universe. 1995, 52, 5516-5528 Bound states and instabilities of vortices. 1995, 52, 4621-4632	11 108 4 20
1899 1898 1897 1896	Complete model of a self-gravitating cosmic string: A new class of exact solutions. 1995, 52, 5588-5597 Modular cosmology. 1995, 52, 3548-3562 Domain walls in a FRW universe. 1995, 52, 5516-5528 Bound states and instabilities of vortices. 1995, 52, 4621-4632 Dynamical stability of Witten vortons. 1995, 51, 4092-4098	11 108 4 20

1891 Scattering off an SO(10) cosmic string. 1995 , 52, 1944-1954	7
1890 Structure formation in the universe from texture induced fluctuations. 1995 , 74, 1701-1704	9
1889 Interactions between U(1) cosmic strings: An analytical study. 1995 , 51, 1842-1853	27
1888 Matter accretion by cosmic string loops and wakes. 1995 , 51, 369-378	10
Defect production in slow first-order phase transitions. 1995 , 52, 1934-1943	23
1886 Leading-order corrections to the Nambu action. 1995 , 51, 2863-2871	6
Semiclassical back reaction in the formation of a straight cosmic string. 1995 , 52, 4319-4336	26
1884 Where are the hedgehogs in quenched nematics?. 1995 , 75, 2502-2505	18
1883 Embedded defects and symmetry breaking in flipped SU(5). 1995 , 52, 7265-7275	8
1882 Dynamics of vortex and monopole production by quench-induced phase separation. 1995 , 51, 6949-6958	22
1881 Thick domain walls in a polynomial approximation. 1995 , 52, 1082-1095	13
1880 Gravitational radiation from realistic cosmic string loops. 1995 , 52, 4337-4348	18
1879 Closed-form expression for the momentum radiated from cosmic string loops. 1995 , 51, 1546-1552	9
$_{1878}$ Baryogenesis from domain walls in the next-to-minimal supersymmetric standard model. 1995 , 52, 4371-437	9 11
Non-Abelian, self-dual Chern-Simons vortices coupled to gravity. 1995 , 52, 6057-6064	2
1876 Baryon-antibaryon production by disordered chiral condensates. 1995 , 52, 2977-2981	11
1875 Geometry of planar domain walls. 1995 , 52, 1281-1283	
1874 Evolution of fields in a second order phase transition. 1995 , 52, 3298-3313	3

1873	Is there a domain wall problem?. 1995 , 74, 5178-5181	52
1872	Transonic elastic model for wiggly Goto-Nambu string. 1995 , 74, 3098-3101	31
1871	Cosmic strings in an open universe with baryonic and nonbaryonic dark matter. 1995 , 74, 3522-3525	11
1870	Symmetry nonrestoration at high temperature and the monopole problem. 1995 , 75, 4559-4562	60
1869	Cosmic strings. 1995 , 58, 477-562	836
1868	Electromagnetic energy density around a superconducting cosmic string. 1995 , 12, 1229-1243	26
1867	The high energy extragalactic gamma-ray background and its relevance to the origin of ultra-high energy cosmic rays. 1995 , 21, 1149-1165	7
1866	Quantum fluctuations of a spherical gravitational shock wave. II. 1995 , 12, 1221-1227	4
1865	Bianchi type II string cosmological models in general relativity. 1995 , 12, 1943-1948	44
1864	Phase equilibration in bubble collisions. 1995 , 52, 679-688	96
1863	Monopole annihilation and highest energy cosmic rays. 1995 , 51, 4079-4091	49
1862	High-harmonic configurations of cosmic strings: an analysis of self-intersections. 1995 , 438, 307-319	13
1861	Statistical properties of strings. 1995 , 437, 471-488	26
1860	On expansion in the width for domain walls. 1995 , 450, 174-188	16
1859	On the cosmological domain wall problem for the minimally extended supersymmetric standard model. 1995 , 454, 663-681	162
1858	Identifying conical singularities. 1996 , 37, 4716-4723	4
1857	Monopole bubble in early universe. 1996 , 481, 453-476	17
1856	High-z Constraints on the Cosmic String Models with Hot Dark Matter. 1996 , 459,	3

1855 The statistical mechanics of particles obeying discrete spatial quantum theory. 1996 , 9, 499-504	1
1854 Cosmology, particle physics, and superfluid 3He. 1996 , 46, 3048-3055	23
Simulated cosmic strings in a Big banglin superfluid3He at 100 K. 1996, 46, 5-6	4
1852 Experiments on the Kibble mechanism in liquid4He. 1996 , 46, 35-36	
Vortex creation in the expansion of He-II from just below the lambda transition. 1996 , 46, 43-44	
1850 NEh er symmetries in cosmology. 1996 , 19, 1-114	135
1849 Fractal structure of quantum gravity and relic radiation anisotropy. 1996 , 35, 253-261	2
1848 Cosmic string in Kerr-Newman-Kasuya spacetime. 1996 , 35, 2625-2630	
1847 Motion of test particles around monopoles. 1996 , 28, 1115-1119	21
1846 Effect of quark scatter on baryogenesis by electroweak strings. 1996 , 5, 231-238	6
1845 Shapes of cosmic strings and baryon number violation. 1996 , 376, 41-47	5
1844 Symmetry non-restoration at high temperature and supersymmetry. 1996 , 378, 141-146	18
1843 Baryogenesis in SU (5) can survive sphaleron effects. 1996 , 385, 169-174	
1842 String cosmology with Brans-Dicke theory. 1996 , 239, 65-70	2
1841 The shards of broken symmetry. 1996 , 382, 296-297	29
1840 Symmetry nonrestoration and inverse symmetry breaking on the lattice. 1996 , 388, 692-701	7
1839 Formation of topological defects with explicit symmetry breaking. 1996 , 76, 583-586	18
1838 Causality, randomness, and the microwave background. 1996 , 76, 1413-1416	80

1837	Perturbation growth and cosmic microwave background anisotropies in the stringlike matter-dominated universe. 1996 , 53, 7362-7364	3
1836	Binary cosmic strings. 1996 , 53, 1827-1834	4
1835	Biased domain walls. 1996 , 53, 4237-4246	61
1834	Nonrestoration of spontaneously broken P and CP at high temperature. 1996 , 54, 7857-7866	30
1833	Gravitational phase operator and cosmic strings. 1996 , 53, 779-786	11
1832	Cosmic string formation and the power spectrum of field configurations. 1996 , 54, 5211-5216	7
1831	Causality and the power spectrum. 1996 , 53, 618-621	23
1830	Bubble collisions and defect formation in a damping environment. 1996 , 53, 6852-6862	12
1829	Canonical quantization of cylindrically symmetric models. 1996 , 53, 3156-3161	3
1828	Bubble collisions in Abelian gauge theories and the geodesic rule. 1996 , 54, 6088-6094	21
1827	String propagator: A loop space representation. 1996 , 53, 870-878	8
1826	Accretion of cold and hot dark matter onto cosmic string filaments. 1996 , 54, 7129-7137	6
1825	Gravitational Wave Background From Hybrid Topological Defects. 1996 , 77, 2879-2882	17
1824	Radiation from an excited vortex in the Abelian Higgs model. 1996 , 54, 4004-4012	7
1823	Local and nonlocal defect-mediated electroweak baryogenesis. 1996 , 53, 4257-4266	24
1822	Entropy perturbations due to cosmic strings. 1996 , 53, R5339-R5343	7
1821	Relic gravitational waves from cosmic strings: Updated constraints and opportunities for detection. 1996 , 54, 7146-7152	65
1820	Winding number correlation functions and cosmic string formation. 1996 , 53, 668-680	3

1819	Absence of open strings in a lattice-free simulation of cosmic string formation. 1996 , 76, 3255-3258	10
1818	Structure of Doppler peaks induced by active perturbations. 1996 , 54, 3727-3744	44
1817	Large-scale structure formation with global topological defects. 1996 , 53, 5394-5410	27
1816	Are Nontopological Strings Produced at the Electroweak Phase Transition?. 1996 , 77, 2166-2169	14
1815	Membranes in the two-Higgs-doublet standard model. 1996 , 76, 356-359	18
1814	Big bang nucleosynthesis and physics beyond the standard model. 1996 , 59, 1493-1609	368
1813	Surface current-carrying domain walls. <i>Journal of Physics A</i> , 1996 , 29, 5125-5136	11
1812	A remark on bound states in conical spacetime. 1996 , 13, L41-L45	18
1811	Generalized functions and distributional curvature of cosmic strings. 1996 , 13, 2485-2498	46
1810	Gravitational and particle radiation from long cosmic strings. 1996 , 13, 715-722	7
1809	Motion of test particles in the gravitational field of cosmic strings in different situations. 1996 , 13, 2153-2161	13
1808	Quench-induced vortices in the symmetry-broken phase of liquid He. <i>Journal of Physics A</i> , 1996 , 29, 4289-4305	7
1807	Gravitational effects due to a cosmic string in Schwarzschild spacetime. 1996 , 13, 2663-2673	18
1806	Fluid of membranes in a class of cosmological models and its possible consequences. 1997 , 14, 2167-2178	
1805	Anisotropic domain walls. 1997 , 14, 1821-1829	10
1804	Gravitational waveguides in cosmology. 1997 , 56, 315-320	1
1803	Breaking SO(3) into its closed subgroups by Higgs mechanism. <i>Journal of Physics A</i> , 1997 , 30, 2109-2125	6
1802	Vortex scattering in the Abelian Higgs model. 1997 , 14, 3161-3175	2

1801	Distinguishing causal seeds from inflation. 1997 , 55, 3288-3302	51
1800	Instability of cosmological event horizons of nonstatic global cosmic strings. 1997 , 56, 6217-6224	7
1799	Non-Gaussian spectra in cosmic microwave background temperature anisotropies. 1997 , 55, 3358-3372	17
1798	Avoidance of collapse by circular current-carrying cosmic string loops. 1997 , 55, 4647-4662	28
1797	Physical interpretation of cylindrically symmetric static gravitational fields. 1997 , 56, 3371-3380	7
1796	Universality and critical phenomena in string defect statistics. 1997 , 55, 1120-1149	10
1795	String evolution in open universes. 1997 , 55, 5208-5211	13
1794	High energy particles from monopoles connected by strings. 1997 , 56, 2024-2034	29
1793	Small-angle anisotropies in the CMBR from active sources. 1997 , 55, 7361-7367	4
1792	Cosmological perturbations seeded by topological defects: Setting the initial conditions. 1997 , 56, 7608-7620	15
,,,	Cosmological perturbations seeded by topological defects: Setting the initial conditions. 1997 , 56, 7608-7620 Cumulants as non-Gaussian qualifiers. 1997 , 56, 4592-4603	23
1791		
1791 1790	Cumulants as non-Gaussian qualifiers. 1997 , 56, 4592-4603	23
1791 1790	Cumulants as non-Gaussian qualifiers. 1997 , 56, 4592-4603 Primordial black hole formation during the QCD epoch. 1997 , 55, R5871-R5875	23
1791 1790 1789	Cumulants as non-Gaussian qualifiers. 1997 , 56, 4592-4603 Primordial black hole formation during the QCD epoch. 1997 , 55, R5871-R5875 Defect-antidefect pair production via field oscillations. 1997 , 55, 3824-3829	23 149 11
1791 1790 1789 1788	Cumulants as non-Gaussian qualifiers. 1997, 56, 4592-4603 Primordial black hole formation during the QCD epoch. 1997, 55, R5871-R5875 Defect-antidefect pair production via field oscillations. 1997, 55, 3824-3829 Supersymmetry and Broken Symmetries at High Temperature. 1997, 79, 349-352	23 149 11 28
1791 1790 1789 1788	Cumulants as non-Gaussian qualifiers. 1997, 56, 4592-4603 Primordial black hole formation during the QCD epoch. 1997, 55, R5871-R5875 Defect-antidefect pair production via field oscillations. 1997, 55, 3824-3829 Supersymmetry and Broken Symmetries at High Temperature. 1997, 79, 349-352 Evading the cosmological domain wall problem. 1997, 55, 5129-5135 Out of equilibrium dynamics of quench-induced spontaneous symmetry breaking and topological	23 149 11 28 69

1783 CP-violating solitons in the mini	mal supersymmetric standard model. 1997 , 56, 3917-3923	11
1782 Vortex-antivortex pair production	on in a first order phase transition. 1997 , 56, 2035-2043	10
1781 Averaged methods for vortex-sl	tring evolution. 1997 , 56, 10892-10906	11
$_{1780}$ The Structure of Cosmic String \	Wakes. 1997 , 482, 22-32	18
1779 Cosmology in a String-Dominate	ed Universe. 1997 , 491, L67-L71	105
1778 Density of Kinks after a Quench	: When Symmetry Breaks, How Big are the Pieces?. 1997 , 78, 2519-2522	149
Interpolating the stage of exportant reheating. 1997 , 55, 3346-3357	nential expansion in the early universe: Possible alternative with no	162
1776 SU (5) + adjoint Higgs model at	finite temperature. 1997 , 501, 521-544	13
1775 Dynamical compactification as a	mechanism of spontaneous supersymmetry breaking. 1997 , 504, 127-146	148
1774 N = 1 supersymmetric cosmic st	rings. 1997 , 405, 257-264	85
1773 On phase ordering behind the p	ropagating front of a second-order transition. 1997 , 65, 102-107	60
1772 What do we know and what can	we learn about the topology of the universe?. 1997 , 36, 2439-2450	3
1771 Recent developments in vorton	theory. 1997 , 36, 2451-2458	6
1770 Can high energy cosmic rays be	vortons?. 1997 , 7, 161-172	28
1769 Supergravity domain walls. 199 7	7 , 282, 159-223	244
1768 The no-defect conjecture in cos	mic crystallography. 1997 , 406, 20-25	8
1767 Initial vortex densities after a te	emperature quench. 1997 , 414, 28-33	43
1766 Density perturbations due to th	e inhomogeneous discrete spatial structure of space-time. 1998 , 48, 989-992	

1765	Gravitational field of a stationary circular cosmic string loop. 1998 , 259, 301-307	2
1764	On the nature of the magnetic fields generated during the electroweak phase transition. 1998 , 418, 258-265	38
1763	Kinematical Approach to Brane Worldsheet Deformations in Spacetime. 1998 , 264, 75-92	
1762	On the formation of non-topological string networks. 1998 , 255, 116-125	2
1761	Covariant generalisation of Codazzi-Raychaudhuri and area change equations for relativistic branes. 1998 , 28, 271-288	4
1760	Computer simulation of dipolar liquid crystals. 1998 , 76, 171-181	19
1759	Cosmic strings in low mass Higgs cosmology. 1998 , 428, 254-262	3
1758	Expansion in the width and collective dynamics of a domain wall. 1998 , 509, 273-293	10
1757	A lattice Monte Carlo study of inverse symmetry breaking in a two-scalar model in three dimensions. 1998 , 515, 345-360	5
1756	Probability distribution function of the coarse-grained scalar field at finite temperature. 1998 , 523, 363-376	5
1755	Spontaneous discrete symmetry breaking during inflation and the NMSSM domain wall problem. 1998 , 530, 325-345	7
1754	Thermodynamics of Cosmic String Densities in U(1) Scalar Field Theory. 1998 , 80, 908-911	30
1753	The Length Distribution of Vortex Strings in U(1) Equilibrium Scalar Field Theory. 1998 , 81, 3083-3086	26
1752	Vortex Formation in Two Dimensions: When Symmetry Breaks, How Big Are the Pieces?. 1998 , 80, 5477-5480	100
1751	Critical dynamics of symmetry breaking: Quenches, dissipation, and cosmology. 1998 , 58,	61
1750	Geometric -models. 1998 , 15, 29-42	7
1749	Defects in liquid crystals and cosmology. 1998 , 24, 127-130	31
1748	The no-defect conjecture and its implications. 1998 , 15, 2711-2718	5

1747	Global monopole in scalar tensor theory. 1998 , 15, 645-652	14
1746	Gravitational Field of a Non-static Global Monopole. 1998 , 58, 294-296	5
1745	Non-Gaussian sampling effects on the estimation of the cosmic microwave background power spectrum. 1998 , 57, 3285-3289	2
1744	Domain formation in finite-time quenches. 1998 , 58,	18
1743	Collapse of topological texture. 1998 , 58,	1
1742	Semilocal string formation in two dimensions. 1998 , 57, 3742-3748	13
1741	Cosmic Topological Defects, Highest Energy Cosmic Rays, and the Baryon Asymmetry of the Universe. 1998 , 81, 260-263	15
1740	Nonappearance of Vortices in Fast Mechanical Expansions of Liquid 4He through the Lambda Transition. 1998 , 81, 3703-3706	97
1739	Could electromagnetic corrections solve the vorton excess problem?. 1998 , 57, 2580-2589	9
1738	Vacuum defects without a vacuum. 1998 , 59,	25
1737	Evolution of a non-Abelian cosmic string network. 1998 , 57, 3317-3339	39
1736	Density of Kinks Just after a Quench in an Underdamped System. 1998 , 81, 1551-1553	11
1735	Friction domination with superconducting strings. 1998 , 57, 692-701	12
1734	Gravitational Waves from Collapsing Vacuum Domains. 1998 , 81, 5497-5500	31
1733	☐osmological⑤cenario for AB Phase Transition in Superfluid 3He. 1998 , 80, 4927-4930	22
1732	The no-defect conjecture: Cosmological implications. 1998 , 58,	4
1731	Instability of cosmological event horizons of nonstatic global cosmic strings. II. Perturbations of gravitational waves and massless scalar fields. 1998 , 57, 6089-6093	1
1730	Superconducting cosmic strings with exotic spacetime. 1998 , 58,	4

1729	Structure Formation by Cosmic Strings with a Cosmological Constant. 1998 , 80, 4847-4850	47
1728	Evolution of a network of cosmic string loops. 1998 , 58,	32
1727	Simulation of vortex-antivortex pair production in a phase transition with explicit symmetry breaking. 1998 , 58,	9
1726	Defect formation in first order phase transitions with damping. 1998 , 57, 7130-7138	6
1725	Cosmic microwave background anisotropies from scaling seeds: Generic properties of the correlation functions. 1998 , 57, R3199-R3203	28
1724	Detailed study of defect models for cosmic structure formation. 1998 , 59,	66
1723	Density of Bloch Waves after a Quench. 1998 , 81, 5485-5488	12
1722	Defect Formation in Quench-Cooled Superfluid Phase Transition. 1998 , 80, 1465-1468	46
1721	Generalized Raychaudhuri and area change equations for classical brane models. 1998, 58,	4
1720	Searching for long strings in CMB maps. 1998 , 58,	4
1719	Reexamination of Quenches in 4He (and 3He). 1998 , 81, 3707-3710	36
1718	Chiral phase transition and baryon number conservation. 1998 , 57, 3749-3758	2
1717	INFLATIONARY COSMOLOGY OF THE EXTREME COSMIC STRING. 1998 , 07, 793-813	2
1716	Primordial Non-Gaussianity: Baryon Bias and Gravitational Collapse of Cosmic String Wakes. 1998 , 503, 67-76	2
1715	Non-Static General Relativistic Domain Walls. 1999 , 60, 199-201	
1714	Vortex nucleation in superfluid4He. 1999 , 11, 7695-7709	4
1713	From spinning to non-spinning cosmic string spacetime. 1999 , 16, 3047-3055	10
1712	Time-Dependent Ginzburg[landau Analysis of Inhomogeneous Normal-Superfluid Transitions. 1999, 83, 116-119	32

17	711	Nonequilibrium Bose-Einstein condensates, dynamical scaling, and symmetric evolution in the large N & theory. 1999 , 59,	56
17	710	Vortices in the Wake of Rapid Bose-Einstein Condensation. 1999 , 83, 1707-1710	65
17	709	Defect formation and critical dynamics in the early Universe. 1999 , 59,	41
17	708	Order Parameter Fragmentation after a Symmetry-Breaking Transition. 1999 , 83, 5210-5213	76
17	707	Nucleation of Vortices by Rapid Thermal Quench. 1999 , 83, 2600-2603	28
17	706	Scaling property of the global string in the radiation dominated universe. 1999 , 60,	41
17	705	Anomalous global strings and primordial magnetic fields. 1999 , 59,	30
17	704	Symmetry Breaking with a Slant: Topological Defects after an Inhomogeneous Quench. 1999 , 82, 4749-4752	68
17	703	Antibaryon Density in the Central Rapidity Region of Heavy-Ion Collisions. 1999 , 82, 4192-4195	5
17	702	Global textures in Brans-Dicke theory of gravity. 1999 , 60,	1
17	701	Formation Rate of Semilocal Strings. 1999 , 82, 3742-3745	28
17	700	Vortex rings and mutual drag in trapped Bose-Einstein condensates. 1999 , 60, 4882-4885	16
16	599	Is the dark matter a solid?. 1999 , 60,	157
16	698	Phase-ordering dynamics of the Gay-Berne nematic liquid crystal. 1999 , 60, 6831-40	36
16	597	Formation of extended topological defects during symmetry breaking phase transitions in O(2) and O(3) models. 1999 , 59,	3
16	696	Field theory simulation of Abelian-Higgs cosmic string cusps. 1999 , 60,	39
16	595	Domain wall spacetimes and particle motion. 1999 , 60,	12
16	594	Cosmic strings in the Abelian Higgs model with conformal coupling to gravity. 1999 , 59,	12

1693 Counting defects in an instantaneous quench. 1999 , 60, 2999-3008	18
1692 Vortex String Formation in a 3D U(1) Temperature Quench. 1999 , 82, 2824-2827	100
1691 Monopole-antimonopole bound states as a source of ultrahigh-energy cosmic rays. 1999 , 60,	18
1690 Vacuum polarization of a massless spinor field in global monopole spacetime. 1999 , 60,	38
Ground state energy of a massive scalar field in the background of a cosmic string of finite thickness. 1999 , 59,	32
How does the geodesic rule really work for global symmetry breaking first order phase transitions?. 1999 , 59,	6
1687 Topological defects in the left-right symmetric model and their relevance to cosmology. 1999 , 59,	7
1686 Complete classification of the string-like solutions of the gravitating Abelian Higgs model. 1999 , 60,	47
1685 Global effects due to cosmic defects in Kaluza-Klein theory. 1999 , 59,	61
1684 Gravitational field of vacuumless defects. 1999 , 59,	23
1683 Stability of string defects in models of non-Abelian symmetry breaking. 1999 , 59,	
Search for spontaneous nucleation of magnetic flux during rapid cooling of YBa2Cu3O7 If ilms through Tc. 1999 , 60, 7595-7600	50
1681 Vortices in rotating superfluid 3He. 1999 , 96, 7760-7	59
Field theory in superfluid 3He: what are the lessons for particle physics, gravity, and high-temperature superconductivity?. 1999 , 96, 6042-7	20
1679 Are high energy cosmic rays magnetic monopoles?. 1999 , 10, 197-202	10
1678 Topological defects in cosmology. 1999 , 43, 111-156	27
Particle physics models of inflation and the cosmological density perturbation. 1999 , 314, 1-146	1419
1676 Formation of multiple winding topological defects in the early universe. 1999 , 461, 49-56	5

(2000-1999)

1675 Stabilization of embedded defects by plasma effects. 1999 , 467, 205-210	26
1674 A new regime for dense string networks in the one scale model with friction. 1999 , 471, 13-19	2
1673 Self-gravitating cosmic rings. 1999 , 449, 12-16	3
1672 String Cosmological Models with Magnetic Field. 1999 , 31, 371-378	41
Letter: On the Back Reaction of Gravitational and Particle Emission and Absorption from Straight Thick Cosmic Strings: A Toy Model. 1999 , 31, 1769-1776	1
1670 Electroweak baryogenesis. 1999 , 71, 1463-1500	297
Observing Correlated Production of Defects and Antidefects in Liquid Crystals. 1999 , 83, 5030-5033	47
1668 83 years of general relativity and cosmology: progress and problems. 1999 , 16, A37-A75	29
Thermal bosonisation in the sine-Gordon and massive Thirring models. 1999 , 549, 409-449	8
1666 Simulating hot Abelian gauge dynamics. 1999 , 60,	,-
	15
1665 Small Deviations from Gaussianity and the Galaxy Cluster Abundance Evolution. 2000 , 539, 1-4	9
Small Deviations from Gaussianity and the Galaxy Cluster Abundance Evolution. 2000 , 539, 1-4 Spontaneous creation of magnetic flux in superconducting ring. 2000 , 341-348, 1075-1076	
	9
1664 Spontaneous creation of magnetic flux in superconducting ring. 2000 , 341-348, 1075-1076	9
Spontaneous creation of magnetic flux in superconducting ring. 2000 , 341-348, 1075-1076 Nucleation of vortices in superfluid 3He B by thermal quench. 2000 , 332, 129-130	9 1 0
Spontaneous creation of magnetic flux in superconducting ring. 2000, 341-348, 1075-1076 Nucleation of vortices in superfluid 3HeB by thermal quench. 2000, 332, 129-130 Bound states in monopoles: sources for UHECR?. 2000, 12, 277-289	9 1 0
Spontaneous creation of magnetic flux in superconducting ring. 2000, 341-348, 1075-1076 Nucleation of vortices in superfluid 3HeB by thermal quench. 2000, 332, 129-130 Bound states in monopoles: sources for UHECR?. 2000, 12, 277-289 Origin and propagation of extremely high-energy cosmic rays. 2000, 327, 109-247	9 1 0 13 505

1657 Gravitational Field of Spherical Domain Walls. 2000 , 32, 1757-1766	4
1656 Cosmic string wakes in scalar-tensor gravities. 2000 , 17, 3055-3062	8
1655 Condensate growth in trapped Bose gases. 2000 , 62,	64
1654 Topological inflation in supergravity. 2000 , 62,	10
Observation of spontaneous flux generation in a multi-josephson-junction loop. 2000 , 84, 4966-9	120
1652 Cosmic structure formation in hybrid inflation models. 2000 , 61,	43
1651 Cosmic strings lens phenomenology: General properties of distortion fields. 2000 , 63,	30
1650 Dynamics of symmetry breaking in FRW cosmologies: Emergence of scaling. 2000 , 61,	7
1649 Nonsingular static global string. 2000 , 62,	3
1648 Non-Abelian Aharonov-Bohm scattering of spin 1/2 particles. 2000 , 62,	1
1647 Composite defect extends analogy between cosmology and 3He. 2000 , 85, 4739-42	30
1646 Current-carrying string loop motion: Limits on the classical description and shocks. 2000 , 61,	10
1645 Slow 4He quenches produce fuzzy, transient vortices. 2000 , 84, 1248-51	18
1644 Testing the kibble-zurek scenario with annular josephson tunnel junctions. 2000 , 85, 3452-5	42
1643 Repetitive single vortex-loop creation by a vibrating wire in superfluid 3He-B. 2000 , 84, 1252-5	39
1642 Gravitational waves from mesoscopic dynamics of the extra dimensions. 2000 , 85, 2044-7	29
1641 Radiation from cosmic string standing waves. 2000 , 84, 4288-91	34
1640 Phase equilibration and magnetic field generation in U(1) bubble collisions. 2000, 61,	16

(2001-2000)

1639 Unraveling critical dynamics: The formation and evolution of textures. 2000 , 61,	7
1638 Cosmic string lens phenomenology: Model of Poisson energy distribution. 2000 , 63,	21
Nonequilibrium quantum dynamics of second order phase transitions. 2000 , 62,	35
1636 Brane gases in the early Universe. 2000 , 62,	165
Dynamical relaxation of the CP phases in next-to-minimal supersymmetry. 2000 , 62,	10
1634 Resonant production of topological defects. 2000 , 84, 826-9	11
1633 Defect formation and local gauge invariance. 2000 , 85, 4660-3	93
1632 Gravitational Berry∜ quantum phase. 2000 , 62,	42
1631 Cosmological consequences of slow-moving bubbles in first-order phase transitions. 2000 , 61,	14
1630 Scales of the extra dimensions and their gravitational wave backgrounds. 2000 , 62,	18
1629 Frame dragging in the spacetime of a superconducting cosmic string. 2000 , 62,	1
1628 Features of phase ordering in (2+1)-dimensional O(3) models. 2000 , 63,	3
1627 Cosmic string lens effects on CMB polarization patterns. 2000 , 61,	20
1626 Evolution of a global string network in a matter-dominated universe. 2000 , 61,	39
1625 Ginzburg regime and its effects on topological defect formation. 2000 , 62,	29
1624 Protogalactic extension of the Parker bound. 2000 , 62,	6
Self-forces on electric and magnetic linear sources in the presence of a torsional defect. 2000 , 62,	7
1622 Dynamics of cosmic necklaces. 2001 , 595, 402-414	21

1621 Electromagnetic radiation from superconducting string cusps. 2001 , 599, 435-445	24
1620 Gravitational radiation and the small-scale structure of cosmic strings. 2001 , 611, 125-145	35
Properties of the Langevin and Fokker-Planck equations for scalar fields and their application to the dynamics of second order phase transitions. 2001 , 63,	3
$_{1618}$ Quasar luminosity and twin effects induced by filamentary and planar structures. 2001 , 366, 736-74	5 6
1617 The Schwarzschild interior metric: a new look. 2001 , 287, 50-52	4
1616 Cosmological perturbations: a new gauge-invariant approach. 2001 , 292, 173-180	13
1615 Predicting the critical density of topological defects in O(N) scalar field theories. 2001 , 64,	5
1614 Magnetic fields in the early Universe. 2001 , 348, 163-266	704
1613 Structure of cosmic strings: a survey. 2001 , 45, 277-281	1
GLOBAL MONOPOLES AND SCALAR FIELDS AS THE ELECTROGRAVITY DUAL OF SCHWARZSCHILD SPACETIME. 2001 , 16, 1193-1200	4
1611 Casimir stress on parallel plates in a de Sitter space. 2001 , 18, 2659-2663	26
1610 Initial monopole density in an inflationary Universe. 2001 , 18, 3019-3024	1
1609 Numerical study of the stability of U (1) [L] (1) [Z 2 Dirichlet defects. 2001, 18, L163-L169	1
Vacuum polarization for a massless scalar field in the global monopole spacetime at finite temperature. 2001 , 18, 1637-1649	16
1607 Spontaneous magnetic-flux generation in superconducting ring. 2001 , 53, 240-245	18
1606 Asymptotic behaviour of cylindrical waves interacting with spinning strings. 2001 , 18, 2065-2086	7
1605 Defect formation rates in cosmological first-order phase transitions. 2001 , 64,	4
1604 Topological defects after a quench in a BBard-Marangoni convection system. 2001 , 63, 057301	32

(2001-2001)

1603	Dynamics of superconducting strings with chiral currents. 2001 , 63,	28
1602	No cosmological domain wall problem for weakly coupled fields. 2001 , 65,	6
1601	Ground state energy of massive scalar field inside a spherical region in the global monopole background. 2001 , 42, 562	16
1600	Cosmological phase transitions in a brane world. 2001 , 63,	23
1599	Domain wall formation in the Cahn-Hilliard-Cook equation. 2001 , 63, 036112	2
1598	Recovery of superconductivity in a quenched mesoscopic domain. 2001 , 63,	19
1597	Dynamics of vortex nucleation by rapid thermal quench. 2001 , 63,	16
1596	Global monopole in scalar-tensor theories of gravity. 2001 , 64,	8
1595	Phase transition dynamics in the hot Abelian Higgs model. 2001 , 64,	21
1594	Gravitational and dilaton radiation from a relativistic membrane. 2001 , 63,	2
1593	Cosmological evolution of global monopoles. 2001 , 64,	14
1592	Confinement, chiral symmetry breaking, and the axial anomaly from domain formation at intermediate resolution. 2001 , 64,	1
1591	Nontopological solitons as nucleation sites for cosmological phase transitions. 2001 , 63,	7
1590	Waveforms for gravitational radiation from cosmic string loops. 2001 , 63,	12
1589	Self-energy and self-force in the space-time of a thick cosmic string. 2001 , 64,	17
1588	Percolation, Bose-Einstein condensation, and string proliferation. 2001 , 63, 026115	24
1587	Hybrid inflation and baryogenesis at the TeV scale. 2001 , 64,	59
1586	Evidence against or for topological defects in the BOOMERanG data?. 2001 , 65,	75

1585	Gravitational field of a rotating global monopole. 2001 , 64,	11
1584	Multiple-scale analysis and renormalization of quenched second order phase transitions. 2001, 64,	4
1583	Interaction between gravitational waves and domain walls. 2001, 64,	
1582	Hydrogen atom in the gravitational fields of topological defects. 2002 , 66,	68
1581	Current-carrying cosmic string loop 3D simulation: Towards a reduction of the vorton excess problem. 2002 , 65,	12
1580	Stochastic production of kink-antikink pairs in the presence of an oscillating background. 2002, 65,	6
1579	Oscillation damping of chiral string loops. 2002 , 66,	6
1578	Classification of stringlike solutions in dilaton gravity. 2002 , 65,	6
1577	Lagrangian evolution of global strings. 2002 , 66,	18
1576	Oscillating superfluidity of bosons in optical lattices. 2002 , 89, 250404	167
1576 1575	Oscillating superfluidity of bosons in optical lattices. 2002 , 89, 250404 Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002 , 88, 137004	167 38
<i>,</i>	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002 ,	Í
1575	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002 , 88, 137004	38
1575 1574	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002 , 88, 137004 Dynamics of tachyonic preheating after hybrid inflation. 2002 , 65,	38
1575 1574 1573	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002, 88, 137004 Dynamics of tachyonic preheating after hybrid inflation. 2002, 65, Scalar and spinor particles in the spacetime of a domain wall in string theory. 2002, 65, Dynamics of walls: Fermion scattering in a magnetic field. 2002, 65,	38 91 3
1575 1574 1573	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002, 88, 137004 Dynamics of tachyonic preheating after hybrid inflation. 2002, 65, Scalar and spinor particles in the spacetime of a domain wall in string theory. 2002, 65, Dynamics of walls: Fermion scattering in a magnetic field. 2002, 65,	38 91 3
1575 1574 1573 1572	Critical dynamics of gauge systems: spontaneous vortex formation in 2D superconductors. 2002, 88, 137004 Dynamics of tachyonic preheating after hybrid inflation. 2002, 65, Scalar and spinor particles in the spacetime of a domain wall in string theory. 2002, 65, Dynamics of walls: Fermion scattering in a magnetic field. 2002, 65, Formation of vortex loops (strings) in continuous phase transitions. 2002, 65, 026133	38 91 3 4

1567	Size of the smallest scales in cosmic string networks. 2002 , 66,	43
1566	Dynamics of quantum phase transition in an array of Josephson junctions. 2002 , 88, 167001	48
1565	Unconventional vortices in multicomponent Ginzburg-Landau theory. 2002, 65,	11
1564	Domain formation in noninstantaneous symmetry-breaking phase transitions. 2002 , 65,	20
1563	Chiral superconducting strings and Nambulioto strings in arbitrary dimensions. 2002, 43, 4819	1
1562	SPACETIME AND VACUUM AS SEEN FROM MOSCOW. 2002 , 17, 105-118	7
1561	Non-relativistic quantum systems on topological defects spacetimes. 2002 , 19, 985-995	64
1560	Bremsstrahlung in the gravitational field of a global monopole. 2002 , 19, 3127-3137	12
1559	Creation of strings in the early universe. 2002 , 19, 3153-3156	
1558	Screwed superconducting cosmic strings. 2002 , 19, 741-753	7
1557	Wormholes supported by a kink-like configuration of a scalar field. 2002 , 19, 4909-4921	32
1556	The evolution and persistence of dumbbells. 2002 , 2002, 033-033	16
1555	Spacelike Ricci inheritance vectors in a model of string cloud and string fluid stress tensor. 2002 , 19, 6435-6443	13
1554	Coulomb and quantum oscillator problems in conical spaces with arbitrary dimensions. <i>Journal of Physics A</i> , 2002 , 35, 5255-5265	28
1553	Cosmological creation of D-branes and anti-D-branes. 2002 , 2002, 056-056	102
1552	DYNAMICALPHENOMENA INLIQUID-CRYSTALLINEMATERIALS. 2002 , 34, 233-266	168
1551	Dynamics of cosmological perturbations in position space. 2002 , 65,	30
1550	Stick-slip friction and nucleation dynamics of ultrathin liquid films. 2002 , 65,	41

1549	Kinks of arbitrary width. 2002 , 66, 066112	6
1548	Kink production in the presence of random distributed impurities. 2002 , 65, 046133	6
1547	Role of pointlike topological excitations at criticality: From vortices to global monopoles. 2002 , 65, 066117	6
1546	Cosmic string configuration in the supersymmetric CSKR theory. 2002 , 620, 181-194	12
1545	Loitering phase in brane gas cosmology. 2002 , 623, 421-436	89
1544	Magnetic monopoles with Wilson loops on a 5D orbifold. 2002 , 641, 327-340	9
1543	A possible origin of superconducting currents in cosmic strings. 2002 , 4, 65-65	1
1542	Topological Defects as Inhomogeneous Condensates in Quantum Field Theory: Kinks in (1+1) Dimensional A Theory. 2002 , 295, 230-260	6
1541	Testing cosmological defect formation in the laboratory. 2002 , 369, 87-92	7
1540	Hard component of ultra-high energy cosmic rays and vortons. 2002 , 16, 411-423	5
1539	Topology of the Las Campanas Redshift Survey. 2002 , 330, 531-539	8
1538	Cosmic structure formation with topological defects. 2002 , 364, 1-81	123
1537	Flat directions, doublet E riplet splitting, the monopole problem, and all that. 2002 , 525, 189-194	4
1536	Embedded monopoles. 2002 , 533, 131-137	1
1535	The formation of classical defects after a slow quantum phase transition. 2002 , 539, 1-7	6
1534	Asymptotically embedded defects. 2002 , 541, 362-368	3
1533	Vacuum structure and global strings with conical singularities. 2002 , 549, 221-228	1
1532	Global monopole in general relativity. 2002 , 95, 392-403	13

1531	The world of the complex Ginzburg-Landau equation. 2002 , 74, 99-143	1261
1530	Vortex Generation in Cyclically Coupled Superfluids and the Kibble-Zurek Mechanism. 2002 , 126, 315-320	6
1529	A study of thin domain wall with spherical symmetry. 2002 , 282, 391-398	2
1528	Higher dimensional domain wall in Lyra geometry. 2002 , 282, 625-633	10
1527	Monodomain and polydomain helicoids in chiral liquid-crystalline phases and their biological analogues. 2003 , 12, 291-302	23
1526	Bianchi type IIX string cosmological models with bulk viscous fluid in general relativity. 2003 , 288, 503-509	15
1525	An LRS Bianchi Type I Bulk Viscous Fluid String Cosmological Model in General Relativity. 2003 , 288, 287-292	14
1524	L.R.S. Bianchi Type I string dust magnetized cosmological models. 2003 , 283, 97-108	39
1523	Semi-classical Gravitational Effects Around Global Monopoles in Lyra Geometry. 2003 , 283, 155-159	1
1522	CSL-1: chance projection effect or serendipitous discovery of a gravitational lens induced by a cosmic string?. 2003 , 343, 353-359	94
1521	PHASE TRANSITIONS FOR A ?6 MODEL IN (2+1)-DIMENSIONAL CURVED SPACETIME. 2003 , 18, 937-946	4
1520	Symmetry breaking and false vacuum decay after hybrid inflation. 2003 , 67,	85
1519	Physics of defects in nematic liquid crystals. 2003 , 24, 481-492	25
1518	Decoherence in field theory: general couplings and slow quenches. 2003 , 672, 462-486	18
1517	Topological defects: A problem for cyclic universes?. 2003 , 68,	5
1516	Cosmological constant influence on cosmic string spacetime. 2003 , 67,	8
1515	Cosmic physics: the high energy frontier. 2003 , 29, R47-R88	37
1514	Observation of magnetic flux generated spontaneously during a rapid quench of superconducting films. 2003 , 91, 197001	125

1513 Thermally activated spontaneous fluxoid formation in superconducting thin film rings. 2003 , 90, 257001	46
1512 Topological defect densities in type-I superconducting phase transitions. 2003 , 67,	5
1511 Stable neutral Fermi ball. 2003 , 67,	2
1510 Scaling in numerical simulations of domain walls. 2003 , 68,	45
1509 Field dynamics and kink-antikink production in rapidly expanding systems. 2003 , 68,	4
$_{1508}$ Cosmic optical activity in the spacetime of a scalar-tensor screwed cosmic string. 2003 , 67,	8
1507 Defect formation in the Swift-Hohenberg equation. 2003 , 67, 035101	10
1506 Dynamics of a scalar field in a brane world. 2003 , 67,	22
1505 Fluxoid dynamics in superconducting thin film rings. 2003 , 68,	26
1504 Spontaneous fluxon formation in annular Josephson tunnel junctions. 2003 , 67,	46
1503 Persistent currents in a circular array of Bose-Einstein condensates. 2003 , 67,	38
1502 Dilatonic current-carrying cosmic strings. 2003 , 67,	8
1501 Cosmic string cusps with small-scale structure: Their forms and gravitational waveforms. 2003 , 68,	17
1500 Quantitative evolution of global strings from the Lagrangian viewpoint. 2003 , 67,	26
1499 Thick domain wall spacetimes with and without reflection symmetry. 2003 , 67,	90
1498 Topological properties of the cosmic microwave background polarization map. 2003 , 67,	4
1497 Phase dynamics after connection of two separate Bose-Einstein condensates. 2003 , 67,	37
1496 Nonequilibrium evolution of correlation functions: A canonical approach. 2003 , 68,	7

1495	Ring-shaped vortex domain in type-II superconductors. 2003 , 90, 237004	3
1494	Magnetic monopoles from gauge theory phase transitions. 2003 , 68,	11
1493	Casimir Effect in Domain Wall Formation. 2003 , 18, 4285-4293	6
1492	SUPERCONDUCTING COSMIC STRING IN LYRA GEOMETRY. 2003 , 18, 41-45	1
1491	THE ORDER PARAMETER FIELD FOR COSMIC STRING, INFLATION AND DARK ENERGY. 2003 , 18, 2587-2597	5
1490	STATIONARY COSMIC STRING LOOPS IN THE UNIVERSE. 2003 , 22, 417-420	
1489	'Nonbaryonic' dark matter as baryonic colour superconductor. 2003 , 2003, 010-010	82
1488	Tachyon Vortex. 2003 , 20, 1678-1680	7
1487	Casimir densities for a spherical shell in the global monopole background. 2003 , 20, 3765-3782	18
1486	Gravitational hedgehog, stringy hedgehog and stringy sphere. 2003 , 2003, 058-058	7
1485	Features of motion around global monopole in asymptotically dS/AdS spacetime. 2003, 20, 1703-1713	3
1484	Casimir densities for parallel plate in the domain wall background. 2003 , 20, 2669-2675	
1483	Superconducting quantum interference device microscopy of fluxoids in superconducting rings and artificially layered systems. 2004 , 17, 217-223	4
1482	Cosmological stretching of perturbations on a cosmic string. 2004 , 2004, 003-003	1
1481	Cosmic F- and D-strings. 2004 , 2004, 013-013	368
1480	Formation and evolution of cosmicDstrings. 2004 , 2004, 010-010	245
1479	Scalar particles in weak gravitational fields. 2004 , 21, 307-315	8
1478	Dressing up the kink. 2004 , 69,	7

Topological approach to baryon-antibaryon and meson production in rapidly expanding Bjorken rods. **2004**, 70,

1476 First-order cosmological phase transitions in the radiation-dominated era. 2004 , 69,	20
1475 Defect production behind the shock wave front of an inhomogeneous quench. 2004 , 69, 016209	
1474 Scattering of Dirac and Majorana fermions off domain walls. 2004 , 70,	3
Magnetic imaging of pearl vortices in artificially layered (Ba0.9Nd0.1CuO2+x)m/(CaCuO2)n systems. 2004 , 92, 157006	31
1472 Scaling laws for nonintercommuting cosmic string networks. 2004 , 70,	27
1471 Superconducting thin rings with finite penetration depth. 2004 , 69,	51
1470 Out-of-equilibrium quantum fields with conserved charge. 2004 , 69,	2
1469 From QFT to a disoriented chiral condensate. 2004 , 70,	2
$_{1468}$ Cosmological evolution of general scalar fields in a brane-world cosmology. 2004 , 70,	29
1467 Measuring cosmic defect correlations in liquid crystals. 2004 , 69,	19
1466 BII cosmic strings and baryogenesis. 2004, 70,	8
1465 A Study of a Global Monopole in Kalb R amond Background. 2004 , 69, 78-80	2
SEARCHING FOR COSMIC STRINGS IN THE COSMIC MICROWAVE BACKGROUND: AN AMIBA EXAMPLE. 2004 , 19, 1019-1025	4
1463 Condensate formation and vortex generation in Bose gas upon cooling. 2004 , 79, 410-415	1
1462 Gravitational field of global monopole with semi-classical effects. 2004 , 54, 785-790	1
1461 Letter: Casimir Stress for Cylindrical Shell in de Sitter Space. 2004 , 36, 1965-1975	1
1460 Hot spot in type-II superconductors: dynamics and instabilities. 2004 , 404, 335-339	3

1459 Semiclassical gravitational effects near a singular magnetic flux. 2004 , 604, 103-114	5
1458 Cosmic superstrings II. 2004 , 5, 1021-1029	13
The world according to RByi: thermodynamics of multifractal systems. 2004 , 312, 17-59	169
Predictions of Mixed Non-Gaussian Cosmological Density Fields for the Cosmic Microwave Background Radiation. 2004 , 602, 555-564	7
1455 A discussion on supersymmetric cosmic strings with gauge-field mixing. 2004 , 6, 58-58	4
1454 A black hole solution to the cosmological monopole problem. 2005 , 606, 251-257	31
1453 Inflationary solution to the strong CP and [problems. 2005 , 610, 87-93	5
1452 Understanding domain wall network evolution. 2005 , 610, 1-8	25
1451 Constraint onBlcosmic string from leptogenesis with degenerate neutrinos. 2005 , 619, 226-232	2
1450 The Rise and Fall of the Cosmic String Theory for Cosmological Perturbations. 2005 , 148, 128-140	16
Global symmetry breaking in the nonconserved order parameter system during phase ordering. 2005 , 16, 247-51	2
1448 The object CSL-1 as an effect of projection. 2005 , 49, 343-353	3
1447 Waveguiding and mirroring effects in stochastic self-similar and Cantorian ?(Duniverse. 2005 , 23, 691-700	27
1446 The interplay between high energy physics and cosmology: an example. 2005 , 148, 141-148	2
Primordial black hole formation by stabilized embedded strings in the early universe. 2005 , 37, 1635-1649	12
Topological defect solutions in the spherically symmetric space-time admitting conformal motion. 2005 , 37, 2093-2104	4
1443 Stretching of a Cosmic String in the Presence of a Vacuum Domain Wall. 2005 , 48, 349-356	
1442 Vortex formation and dynamics in superfluid 3He and analogies in quantum field theory. 2005 , 15, 1-137	12

1441	Collisions of cosmic F- and D-strings. 2005 , 2005, 013-013	157
1440	Strings at the bottom of the deformed conifold. 2005 , 2005, 040-040	11
1439	A practical model for cosmic (p,q) superstrings. 2005 , 2005, 011-011	39
1438	Confronting hybrid inflation in supergravity with CMB data. 2005 , 2005, 071-071	43
1437	Constraints on supersymmetric grand unified theories from cosmology. 2005 , 2005, 004-004	59
1436	Bianchi Type-III String Cosmological Model with Bulk Viscosity in General Relativity. 2005 , 22, 29-32	62
1435	Topological String in Quantum-Chromodynamical Chiral Phase Transitions. 2005 , 22, 1300-1302	1
1434	Multiple inflation, cosmic string networks and the string landscape. 2005 , 2005, 067-067	73
1433	Overproduction of cosmic superstrings. 2005 , 2005, 075-075	40
1432	Non-equilibrium Higgs transition in classical scalar electrodynamics. 2005 , 2005, 054-054	4
1432	Non-equilibrium Higgs transition in classical scalar electrodynamics. 2005 , 2005, 054-054 Leptogenesis from reheating after inflation and cosmic string decay. 2005 , 2005, 006-006	8
1431		
1431	Leptogenesis from reheating after inflation and cosmic string decay. 2005 , 2005, 006-006	8
1431	Leptogenesis from reheating after inflation and cosmic string decay. 2005, 2005, 006-006 One-scale model for domain wall network evolution. 2005, 72, Transformation from walls to disclination lines: statics and dynamics of the pincement transition. 2005, 72, 051713	8
1431 1430 1429	Leptogenesis from reheating after inflation and cosmic string decay. 2005, 2005, 006-006 One-scale model for domain wall network evolution. 2005, 72, Transformation from walls to disclination lines: statics and dynamics of the pincement transition. 2005, 72, 051713	8 48 20
1431 1430 1429 1428	Leptogenesis from reheating after inflation and cosmic string decay. 2005, 2005, 006-006 One-scale model for domain wall network evolution. 2005, 72, Transformation from walls to disclination lines: statics and dynamics of the pincement transition. 2005, 72, 051713 Quench dynamics of a superfluid Fermi gas. 2005, 71,	8 48 20 40
1431 1430 1429 1428	Leptogenesis from reheating after inflation and cosmic string decay. 2005, 2005, 006-006 One-scale model for domain wall network evolution. 2005, 72, Transformation from walls to disclination lines: statics and dynamics of the pincement transition. 2005, 72, 051713 Quench dynamics of a superfluid Fermi gas. 2005, 71, Type IIB conifold transitions in cosmology. 2005, 71,	8 48 20 40

(2005-2005)

1423	Dirac Quasinormal Modes of the Schwarzschild Inti-de Sitter Black Hole with a Global Monopole. 2005 , 22, 2496-2499	11
1422	A LIQUID CRYSTAL ANALOGUE OF THE COSMIC STRING. 2005 , 20, 2561-2565	27
1421	Observation of a New Mechanism of Spontaneous Generation of Magnetic Flux in a Superconductor. 2005 , 94,	2
1420	Cosmological evolution of domain wall networks. 2005 , 71,	43
1419	Lorentz-breaking effects in scalar-tensor theories of gravity. 2005 , 71,	19
1418	Cosmic string scaling in flat space. 2005 , 72,	45
1417	Model of cosmology and particle physics at an intermediate scale. 2005 , 71,	3
1416	Cosmic superstring gravitational lensing phenomena: Predictions for networks of (p,q) strings. 2005 , 72,	29
1415	Gravitational radiation from rotating monopole-string systems. 2005 , 71,	1
1414	Cosmological evolution of cosmic strings with time-dependent tension. 2005 , 72,	12
1413	Black strings in our world. 2005 , 71,	2
1412	Holes in the walls: Primordial black holes as a solution to the cosmological domain wall problem. 2005 , 72,	32
1411	On open membranes, cosmic strings and moduli stabilization. 2005 , 728, 207-219	10
1410	The simplest quantum model supporting the Kibble-Zurek mechanism of topological defect production: Landau-Zener transitions from a new perspective. 2005 , 95, 035701	228
1409	Dynamics of a quantum phase transition: exact solution of the quantum Ising model. 2005 , 95, 245701	407
1408	Dynamics of a quantum phase transition. 2005 , 95, 105701	500
1407	Fundamental cosmic strings. 2005, 46, 313-322	94
1406	False Vacuum: Early Universe Cosmology and the Development of Inflation. 2005 , 223-257	7

1405 Boundary localized symmetry breaking and topological defects. **2006**, 73,

1404 Heavy cosmic strings. 2006 , 73,	12
Dynamics of a quantum phase transition in the random Ising model: Logarithmic dependence of the defect density on the transition rate. 2006 , 74,	77
Adiabatic-impulse approximation for avoided level crossings: From phase-transition dynamics to Landau-Zener evolutions and back again. 2006 , 73,	109
1401 Frustrated expectations: Defect networks and dark energy. 2006 , 73,	44
Role of the electromagnetic field in the formation of domains in the process of symmetry-breaking phase transitions. 2006 , 74,	55
1399 Reionization from cosmic string loops. 2006 , 74,	26
1398 What is the discrete gauge symmetry of the minimal supersymmetric standard model. 2006 , 73,	132
1397 Defect junctions and domain wall dynamics. 2006 , 73,	30
1396 Effects of cosmic strings on free streaming. 2006 , 74,	3
1395 Gravitational waves from light cosmic strings: Backgrounds and bursts with large loops. 2006 , 74,	39
1394 Scaling of cosmic string loops. 2006 , 74,	125
1393 Baryon inhomogeneity generation in the quark-gluon plasma phase. 2006 , 73,	19
Gravitational wave bursts from cosmic (super)strings: Quantitative analysis and constraints. 2006 , 73,	97
1391 Semisuperfluid strings in high density QCD. 2006 , 73,	92
1390 Hubble imaging excludes cosmic string lens. 2006 , 73,	17
1389 Flux of primordial monopoles. 2006 , 74,	1
1388 Topological point defects in nematic liquid crystals. 2006 , 86, 4117-4137	164

1387	Condensation and vortex formation in a Bose gas upon cooling. 2006 , 73, 016127	3
1386	Stable and metastable cosmic strings in heterotic M-theory. 2006 , 749, 225-244	3
1385	Multi-monopoles and magnetic bags. 2006 , 752, 93-123	30
1384	Baryogenesis via leptogenesis in presence of cosmic strings. 2006 , 752, 280-296	4
1383	Quantum energies of strings in a (2+1)-dimensional gauge theory. 2006 , 758, 112-143	12
1382	Topological Defects and Their Homotopy Classification. 2006 , 257-264	
1381	Further Spectroscopic Observations of the CSL 1 Object. 2006 , 636, L5-L8	25
1380	Spontaneous symmetry breaking in a quenched ferromagnetic spinor Bose-Einstein condensate. 2006 , 443, 312-5	699
1379	Spontaneous vortex formation in a quench process in superconducting films with small holes. 2006 , 445-448, 257-259	3
1378	Wave turbulence and vortices in BoseEinstein condensation. 2006 , 219, 1-12	69
1377	Magnetic tunnels (wormholes) in astrophysics. 2006 , 50, 601-611	20
1376	Annihilation of nematic point defects: pre-collision and post-collision evolution. 2006 , 20, 71-9	24
1375	Lensing effects in a nematic liquid crystal with topological defects. 2006 , 20, 173-8	50
1374	String cloud and domain walls with quark matter in 5-D Kaluzaklein cosmological model. 2006 , 38, 1397-1406	44
1373	Turbulence and Coherent Structures in Two-Component Bose Condensates. 2006 , 145, 187-207	14
1372	Casimir Forces for Robin Scalar Field on Cylindrical Shell in de Sitter Space. 2006 , 45, 425-435	
1371	A Xially Symmetric Cosmic Strings and Domain Walls in Lyra Geometry. 2006 , 302, 157-160	42
1370	Global Monopole and C-Field. 2006 , 302, 171-174	2

1369	On Plane Symmetric Domain Walls and Cosmic Strings in Bimetric Theory. 2006 , 301, 149-151	6
1368	On KantowskiBachs Cosmological Models in Bimetric Theory of Gravity. 2006 , 301, 185-187	7
1367	Thin Domain Walls in Lyra Geometry. 2006 , 305, 337-340	8
1366	IceHEP high energy physics at the South Pole. 2006 , 321, 2660-2716	29
1365	The revival of cosmic strings. 2006 , 15, 264-276	9
1364	Enlarging the parameter space of standard hybrid inflation. 2006 , 2006, 012-012	16
1363	Topological defects from first-order gauge theory phase transitions. <i>Journal of Physics A</i> , 2006 , 39, 15013-150	5 6
1362	Open heterotic strings. 2006 , 2006, 082-082	27
1361	Creation of kink and antikink pairs forced by radiation. <i>Journal of Physics A</i> , 2006 , 39, 3479-3494	12
1360	Vacuum polarization by a global monopole with finite core. 2006 , 2006, 049-049	9
1359	Supermassive screwed cosmic string in dilaton gravity. 2006 , 23, 4111-4123	
1358	Photon mixing in domain walls and the cosmic coincidence problem. 2006 , 2006, 011-011	8
1357	Basics of inflationary cosmology. 2006 , 53, 528-550	24
1356	The vacuum expectation value of the spinor massive field in the cosmic string spacetime. 2006 , 23, 3449-3462	40
1355	Looking for defects in the 2PI correlator. 2006 , 2006, 020-020	19
1354	Baryogenesis and CP-violating domain walls in the background of a magnetic field. 2006 , 2006, 005-005	6
1353	Spinor Casimir effect for concentric spherical shells in the global monopole spacetime. 2006 , 23, 4673-4691	25
1352	Entropy and correlation functions of a driven quantum spin chain. 2006 , 73,	133

(2007-2006)

Experiments on the rapid mechanical expansion of liquid 4He through its superfluid transition. 2006 , 74, 056305	5
Implications of cosmic strings with time-varying tension on the CMB and large scale structure. 2006 , 74,	6
1349 Experiments on spontaneous vortex formation in Josephson tunnel junctions. 2006 , 74,	26
1348 Ordering dynamics in type-II superconductors. 2006 , 74, 066202	
Testing the Kibble-Zurek mechanism in Rayleigh-BBard convection. 2006 , 74, 047101	20
1346 Scalar solutions in spacetimes containing a cosmic string. 2006 , 23, 7063-7073	23
1345 A STOCHASTIC DERIVATION OF THE GEODESIC RULE. 2006 , 21, 1493-1502	3
1344 THE GEODESIC RULE AND THE SPECTRUM OF THE VACUUM. 2006 , 21, 1727-1735	1
1343 WIGGLY COSMIC STRINGS ACCRETE DARK ENERGY. 2006 , 15, 603-613	8
TIMELIKE AND SPACELIKE MATTER INHERITANCE VECTORS IN SPECIFIC FORMS OF ENERGY MOMENTUM TENSOR. 2006 , 21, 3213-3234	11
1341 SKYRMION FORMATION IN 1+1 DIMENSIONS WITH CHEMICAL POTENTIAL. 2006 , 21, 1199-1219	3
1340 Bianchi Type-III String Cosmological Models with Time Dependent Bulk Viscosity. 2007 , 24, 585-588	83
1339 ASTROPHYSICS OF WORMHOLES. 2007 , 16, 909-926	73
TIME VARIATION OF THE FINE STRUCTURE CONSTANT IN THE SPACETIME OF A COSMIC DOMAIN WALL. 2007 , 22, 1013-1017	4
1337 COSMOLOGICAL DEFECT AND HIGH ENERGY EXPERIMENTS. 2007 , 22, 5785-5799	
1336 CASIMIR STRESS ON PARALLEL PLATES IN DE SITTER SPACE WITH SIGNATURE CHANGE. 2007 , 22, 1771-	1779 3
1335 Astronomy. A texture in the sky?. 2007 , 318, 1560-1	
1334 Robustness of adiabatic passage through a quantum phase transition. 2007 , 9, 134-134	42

1333	Some impacts of Lorentz violation on cosmology. 2007 , 2007, 048-048	27
1332	Electrostatic self-interaction in the spacetime of a global monopole with finite core. 2007 , 24, 2389-2400	6
1331	Dynamics of critical vortices on the torus and on the plane. 2007 , 2007, 054-054	4
1330	Numerical experiments withpF- andqD-strings: the formation of (p,q) bound states. 2007 , 2007, 021-021	45
1329	Spontaneous vortex formation on a superconducting film. 2007 , 9, 148-148	17
1328	Limits on defects formation and hybrid inflationary models with three-year WMAP observations. 2007 , 2007, 008-008	49
1327	P-term strings and semi-local strings. 2007 , 2007, 023-023	4
1326	Bianchi Type-I Massive String Magnetized Barotropic Perfect Fluid Cosmological Model in General Relativity. 2007 , 24, 2455-2458	36
1325	Simulations of Cold Electroweak Baryogenesis: finite time quenches. 2007, 2007, 034-034	28
1324	Cosmological evolution of cosmic string loops. 2007 , 2007, 023-023	188
1324 1323	Cosmological evolution of cosmic string loops. 2007, 2007, 023-023 The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007, 2007, P11001-P11001	188
	The effect of the three-spin interaction and the next nearest neighbor interaction on the	
1323	The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007 , 2007, P11001-P11001 Higher Dimensional Strange Quark Matter Coupled to the String Cloud with Electromagnetic Field	14
1323	The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007, 2007, P11001-P11001 Higher Dimensional Strange Quark Matter Coupled to the String Cloud with Electromagnetic Field Admitting One Parameter Group of Conformal Motion. 2007, 24, 3013-3016	14 15
1323 1322 1321	The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007, 2007, P11001-P11001 Higher Dimensional Strange Quark Matter Coupled to the String Cloud with Electromagnetic Field Admitting One Parameter Group of Conformal Motion. 2007, 24, 3013-3016 P-term potentials from 4-D supergravity. 2007, 2007, 086-086 Mller Energy Complexes of Monopoles and Textures in General Relativity and Teleparallel Gravity.	14 15 3
1323 1322 1321 1320	The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007, 2007, P11001-P11001 Higher Dimensional Strange Quark Matter Coupled to the String Cloud with Electromagnetic Field Admitting One Parameter Group of Conformal Motion. 2007, 24, 3013-3016 P-term potentials from 4-D supergravity. 2007, 2007, 086-086 Mller Energy Complexes of Monopoles and Textures in General Relativity and Teleparallel Gravity. 2007, 24, 874-877	14 15 3
1323 1322 1321 1320	The effect of the three-spin interaction and the next nearest neighbor interaction on the quenching dynamics of a transverse Ising model. 2007, 2007, P11001-P11001 Higher Dimensional Strange Quark Matter Coupled to the String Cloud with Electromagnetic Field Admitting One Parameter Group of Conformal Motion. 2007, 24, 3013-3016 P-term potentials from 4-D supergravity. 2007, 2007, 086-086 Mller Energy Complexes of Monopoles and Textures in General Relativity and Teleparallel Gravity. 2007, 24, 874-877 Kibble-Zurek mechanism in a quenched ferromagnetic Bose-Einstein condensate. 2007, 76,	14 15 3 6 81

1315	Dynamics of domain wall networks. 2007 , 76,	25
1314	Gravitational-wave stochastic background from cosmic strings. 2007 , 98, 111101	175
1313	Vortex quantum creation and winding number scaling in a quenched spinor Bose gas. 2007 , 99, 120407	63
1312	Supercurrent survival under a Rosen-Zener quench of hard-core bosons. 2007 , 99, 205303	18
1311	Coherence-enhanced imaging of a degenerate Bose-Einstein gas. 2007 , 98, 110401	35
1310	Defect-enhanced nematic surface order reconstruction. 2007 , 75, 031708	35
1309	Dynamics of a quantum phase transition in a ferromagnetic Bose-Einstein condensate. 2007 , 99, 130402	87
1308	Finite temperature corrections and embedded strings in noncommutative geometry and the standard model with neutrino mixing. 2007 , 48, 083509	4
1307	GLOBAL MONOPOLE, DARK MATTER AND SCALAR TENSOR THEORY. 2007 , 22, 971-977	15
1306	Phase-transition dynamics in the lab and the universe. 2007 , 60, 47-52	112
1306		112
1305		
1305	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. 2007 , 87, 012009	2
1305 1304 1303	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. 2007 , 87, 012009 Dynamics of the Bose-Hubbard model: Transition from a Mott insulator to a superfluid. 2007 , 75,	2 87
1305 1304 1303	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. 2007, 87, 012009 Dynamics of the Bose-Hubbard model: Transition from a Mott insulator to a superfluid. 2007, 75, Cosmic Strings. 2007, 247-288	2 87 31
1305 1304 1303	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. 2007, 87, 012009 Dynamics of the Bose-Hubbard model: Transition from a Mott insulator to a superfluid. 2007, 75, Cosmic Strings. 2007, 247-288 Superfluid 3He as a Model System for Cosmology - Experimental Point of View. 2007, 75-92	2 87 31
1305 1304 1303 1302	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. 2007, 87, 012009 Dynamics of the Bose-Hubbard model: Transition from a Mott insulator to a superfluid. 2007, 75, Cosmic Strings. 2007, 247-288 Superfluid 3He as a Model System for Cosmology - Experimental Point of View. 2007, 75-92 Effective Horizons in the Laboratory. 2007, 5-30 Phase transition in U(1) configuration space: Oscillons as remnants of vortex-antivortex	2 87 31 1

1297 Semilocal cosmic string networks. 2007 , 75,	23
1296 Vortex formation by merging of multiple trapped Bose-Einstein condensates. 2007 , 98, 110402	157
1295 Effective action of domain wall networks. 2007 , 75,	22
1294 Cosmic microwave background quadrupole and ellipsoidal universe. 2007 , 76,	130
1293 Cosmic string loops in the expanding universe. 2007 , 75,	90
1292 Branes and black holes in collision. 2007 , 76,	13
1291 U e (1) ₪ g (1) actions in (2+1) dimensions: Full vectorial electric and magnetic fields. 2007 , 79, 20004	3
1290 Observing cosmic string loops with gravitational lensing surveys. 2007 , 76,	24
Defect-antidefect correlations in a lyotropic liquid crystal from a cosmological point of view. 2007 , 75, 061704	23
1288 Topological defect formation in a quenched ferromagnetic Bose-Einstein condensates. 2007 , 75,	63
Entropy of entanglement and correlations induced by a quench: Dynamics of a quantum phase transition in the quantum Ising model. 2007 , 75,	120
1286 Quenching dynamics of a quantum XY spin-12 chain in a transverse field. 2007 , 76,	115
1285 Standard-smooth hybrid inflation. 2007 , 76,	9
1284 Effects of inflation on a cosmic string loop population. 2007 , 76,	7
Scaling of cosmological domain wall networks with junctions. 2007 , 647, 63-66	24
1282 Decoherence of domains and defects at phase transitions. 2007 , 648, 64-69	5
Reducing the spectral index in F-term hybrid inflation through a complementary modular inflation. 2007 , 651, 216-223	14
1280 Condensed-matter physics: a superfluid is born. 2007 , 447, 390-1	2

Gravitational lensing by cosmic strings: what we learn from the CSL-1 case. 2007 , 376, 1731-1739	52
1278 The birth of defects in pattern formation: Testing of the Kibble Zurek mechanism. 2007, 146, 87-98	14
Growth and structure of nematic spherulites under shallow thermal quenches. 2007 , 19, 37-58	24
1276 Exact Solution of a Test Particle in Presence of Thick Domain Walls. 2007 , 46, 1466-1470	
1275 String Cosmology in BransDicke Theory for Kasner Type Metric. 2007 , 46, 2396-2400	6
1274 Some Bianchi Type III String Cosmological Models with Bulk Viscosity. 2007 , 46, 2677-2687	37
Bianchi Type VI String Cosmological Model in Saez B allester B Scalar-Tensor Theory of Gravitation. 2007 , 46, 3122-3127	9
1272 Freely decaying Turbulence and Bose E instein Condensation in Gross P itaevski Model. 2007 , 146, 31-46	41
Five dimensional string cosmological models in a scalar-tensor theory of gravitation. 2007 , 307, 395-398	47
1270 A higher-dimensional string cosmological model in BransDicke theory of gravitation. 2007 , 310, 177-180	12
N-dimensional string cosmological model in BransDicke theory of gravitation. 2007 , 310, 231-235	23
1268 Some magnetized bulk viscous string cosmological models in General Relativity. 2007 , 311, 423-429	34
Bianchi type-IX cosmic strings in a scalar-tensor theory of gravitation. 2007 , 312, 99-102	17
1266 A new class of Inhomogeneous string cosmological models in general relativity. 2007 , 312, 145-150	18
Axially symmetric non-static domain walls in scalarEensor theories of gravitation. 2007 , 312, 165-169	16
Cylindrically symmetric inhomogeneous universe with electromagnetic field in string cosmology. 2007 , 312, 261-265	20
Bianchi Type I string dust cosmological model with magnetic field in general relativity. 2007 , 312, 305-37	0 2
1262 Stable massive particles at colliders. 2007 , 438, 1-63	206

1261	Population modeling of the emergence and development of scientific fields. 2008 , 75, 495-518	97
1260	Dynamical Quantum Phase Transitions. 2008, 153, 228-243	10
1259	Particle motion around tachyon monopole. 2008 , 40, 1849-1861	1
1258	Bulk Viscus Fluid Plane Symmetric String Dust Magnetised Cosmological Model in General Relativity. 2008 , 47, 599-605	6
1257	String Cosmological Solutions in Self-Creation Theory of Gravitation. 2008 , 47, 640-648	22
1256	On Axially Symmetric Domain Walls and Cosmic Strings in Bimetric Theory. 2008 , 47, 1594-1599	5
1255	String Cloud and Domain Walls with Quark Matter in n-Dimensional Kaluza-Klein Cosmological Model. 2008 , 47, 2002-2010	22
1254	Bianchi Type VI 0 Magnetized Barotropic Bulk Viscous Fluid Massive String Universe in General Relativity. 2008 , 47, 2594-2604	21
1253	Five Dimensional Domain Walls in a Scalar-Tensor Theory of Gravitation. 2008, 47, 2966-2970	9
1252	Spherically Symmetric Cosmic Strings in Bimetric Theory. 2008 , 47, 3029-3034	21
1251	Exact Bianchi type II, VIII and IX string cosmological models in Saez-Ballester theory of gravitation. 2008 , 314, 73-77	40
1250	Anisotropic string cosmological models in Lyra geometry. 2008 , 315, 167-173	3
1249	Incompatibility of five dimensional LRS Bianchi type-V string and mesonic string cosmological models in general relativity. 2008 , 315, 319-322	3
1248	Bianchi type VIO magnetized bulk viscous massive string cosmological model in General Relativity. 2008 , 317, 21-26	18
1247	Cylindrically symmetric cosmologies in Lyra geometry. 2008 , 317, 39-44	5
1246	Exact Bianchi type II, VIII and IX string cosmological models in General Relativity and self-creation theory of gravitation. 2008 , 317, 83-88	15
1245	Bianchi Type III magnetized massive string cosmological model for perfect fluid distribution in general relativity. 2008 , 318, 237-242	4
1244	Magnetized string cosmological model in cylindrically symmetric inhomogeneous universe-revisited. 2008 , 318, 255-261	19

(2008-2008)

1243	Confinement into a state with persistent current by thermal quenching of loop of Josephson junctions. 2008 , 468, 294-298	2
1242	Gravitational waves as a probe of the gravitino mass. 2008 , 664, 194-198	13
1241	Cosmic strings in a spacelime with positive cosmological constant. 2008 , 669, 119-125	3
1240	Monopolium: the key to monopoles. 2008 , 56, 87-95	24
1239	Berry phase for a spin 1/2 particle in the presence of topological defects. 2008, 57, 817-822	14
1238	Colloquium: Quantum annealing and analog quantum computation. 2008, 80, 1061-1081	360
1237	Adventures in Friedmann cosmology: A detailed expansion of the cosmological Friedmann equations. 2008 , 76, 265-276	14
1236	Vortex Lattices in Bose-Einstein Condensates: Theory. 2008 , 211-228	
1235	Cosmic microwave background anisotropy induced by a moving straight cosmic string. 2008 , 106, 878-887	9
1234	Spontaneous vortices in the formation of BoseEinstein condensates. 2008, 455, 948-951	358
1233	Surviving the transition. 2008 , 455, 880-881	
1232	Direct observation of cosmic strings via their strong gravitational lensing effect I . Predictions for high-resolution imaging surveys. 2008 , 385, 1959-1964	12
1231	Microlensing by cosmic strings. 2008, 384, 161-164	22
1230	Bayesian reconstruction of the cosmological large-scale structure: methodology, inverse algorithms and numerical optimization. 2008 , 389, 497-544	94
1229	The CMB cold spot: texture, cluster or void?. 2008, 390, 913-919	71
1228	Finite-temperature models of Bose E instein condensation. 2008 , 41, 203002	196
1227	Geometric phase for a neutral particle in the presence of a topological defect. 2008, 78,	65
1226	Classical bounce: Constraints and consequences. 2008 , 77,	44

Bose-Einstein condensation from a rotating thermal cloud: Vortex nucleation and lattice formation. 2008 , 77,	63
1224 Dynamics and statistical mechanics of ultra-cold Bose gases using c-field techniques. 2008 , 57, 363-45	55 360
1223 HIDDEN DIRAC MONOPOLES. 2008 , 23, 4023-4037	9
1222 Supercooling and phase coexistence in cosmological phase transitions. 2008 , 77,	29
1221 Dynamic domain walls in a Maxwell-dilaton background. 2008 , 78,	4
1220 Cosmic string loops: Large and small, but not tiny. 2008 , 77,	20
1219 Energy-momentum distribution in static and nonstatic cosmic string space-times. 2008 , 78,	19
1218 Evolution of local and global monopole networks. 2008 , 78,	20
Search for cosmic strings in the Great Observatories Origins Deep Survey. 2008 , 77,	17
1216 Gravitational field of a spinning sigma-model cosmic string. 2008 , 78,	2
Oscillons and domain walls. 2008 , 77,	31
1214 Dynamics of biased domain walls and the devaluation mechanism. 2008 , 78,	10
1213 Imprints of cosmic strings on the cosmological gravitational wave background. 2008 , 78,	2
1212 Small-angle CMB temperature anisotropies induced by cosmic strings. 2008 , 78,	89
1211 Stationary rotating strings as relativistic particle mechanics. 2008 , 78,	20
Kinematic constraints on formation of bound states of cosmic strings: Field theoretical approach. 2008, 77,	30
1209 Formation of non-Abelian monopoles connected by strings. 2008 , 78,	7
Building a nest at tree level: Classical metastability and nontrivial vacuum structure in supersymmetric field theories. 2008 , 78,	8

Global string and vortex superfluids in a supersymmetric scenario. 2008, 77,	1
1206 THE GEODESIC RULE FOR HIGHER CODIMENSIONAL GLOBAL DEFECTS. 2008 , 23, 2053-2066	1
1205 THE CIRCULAR LOOP EQUATION OF A COSMIC STRING WITH TIME-VARYING TENSION. 2008 , 23, 3023-303	30 2
DYNAMICAL THEORY OF PHASE TRANSITIONS AND COSMOLOGICAL EW AND QCD PHASE TRANSITIONS. 2008 , 23, 1325-1335	
The influence of nanoparticles on the phase and structural ordering for nematic liquid crystals. 2008 , 20, 244112	19
SEMICLASSICAL GRAVITATIONAL EFFECTS AROUND GLOBAL MONOPOLE IN BRANSDICKE THEORY. 2008 , 23, 2763-2770	5
1201 Phase transition in space: how far does a symmetry bend before it breaks?. 2008 , 366, 2953-72	32
1200 Evolution of cosmic superstring networks: a numerical simulation. 2008 , 2008, 037-037	52
1199 Introduction. Cosmology meets condensed matter. 2008 , 366, 2793-802	4
1198 Phase-locking transition of coupled low-dimensional superfluids. 2008 , 81, 10008	16
How to fix a broken symmetry: quantum dynamics of symmetry restoration in a ferromagnetic BoseEinstein condensate. 2008 , 10, 045023	16
1196 Detecting cosmic strings in the CMB with the Canny algorithm. 2008 , 2008, 015	32
Quenching along a gapless line: A different exponent for defect density. 2008 , 78,	65
1194 Fingered core structure of nematic boojums. 2008 , 78, 031701	16
Winding up of the wave-function phase by an insulator-to-superfluid transition in a ring of coupled Bose-Einstein condensates. 2008 , 101, 115701	64
1192 Quench dynamics and defect production in the Kitaev and extended Kitaev models. 2008 , 78,	67
Cosmic strings from supersymmetric flat directions. 2008 , 77,	30
1190 Dynamics of domain wall networks with junctions. 2008 , 78,	37

1189	Singular inverse square potential in arbitrary dimensions with a minimal length: Application to the motion of a dipole in a cosmic string background. 2008 , 78,	36
1188	Defect generation in a spin-12 transverse XY chain under repeated quenching of the transverse field. 2008 , 77,	42
1187	Vortex trapping in suddenly connected Josephson junctions of Bose-Einstein condensates. 2008 , 77,	9
1186	Adiabatic quenches through an extended quantum critical region. 2008, 77,	50
1185	Scaling solution for small cosmic string loops. 2008 , 100, 071601	27
1184	Dynamics of vortex formation in merging Bose-Einstein condensate fragments. 2008, 77,	45
1183	Quantum noise, scaling, and domain formation in a spinor Bose-Einstein condensate. 2008, 77,	34
1182	Spontaneous fluxon production in annular Josephson tunnel junctions in the presence of a magnetic field. 2008 , 77,	23
1181	Numerical method of lines for the relaxational dynamics of nematic liquid crystals. 2008, 78, 026707	23
1180	Semiclassical decay of topological defects. 2008 , 77,	16
1180	Semiclassical decay of topological defects. 2008, 77, One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008, 78,	16
1179		
1179	One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008 , 78,	12
1179 1178	One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008, 78, Defect production in nonlinear quench across a quantum critical point. 2008, 101, 016806 Construction of curved domain walls. 2008, 77, 056608	12
1179 1178 1177	One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008, 78, Defect production in nonlinear quench across a quantum critical point. 2008, 101, 016806 Construction of curved domain walls. 2008, 77, 056608	12 143 5
1179 1178 1177 1176	One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008, 78, Defect production in nonlinear quench across a quantum critical point. 2008, 101, 016806 Construction of curved domain walls. 2008, 77, 056608 Cosmic (Super)String Constraints from 21 cm Radiation. 2008, 100, 091302	12 143 5 28
1179 1178 1177 1176 1175	One-loop corrections to the string tension of the vortex in the Abelian Higgs model. 2008, 78, Defect production in nonlinear quench across a quantum critical point. 2008, 101, 016806 Construction of curved domain walls. 2008, 77, 056608 Cosmic (Super)String Constraints from 21 cm Radiation. 2008, 100, 091302 Adiabatic dynamics in open quantum critical many-body systems. 2008, 101, 175701	12 143 5 28 78

1171	3He: cosmological and atomic physics experiments. 2008 , 366, 2821-32	4
1170	Small-scale behaviour of cosmic string networks. 2008 , 366, 2859-69	2
1169	Do superconductors change as fast as possible when quenched?. 2008 , 366, 2871-80	4
1168	Design of magneto-optical system for imaging of magnetic flux created during a conductor-superconductor phase transition. 2008 , 366, 2843-9	2
1167	Complete characterization of the spectrum of the Kitaev model on spin ladders. 2009 , 79,	12
1166	Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches. 2009 , 80,	45
1165	Entanglement production due to quench dynamics of an anisotropic XY chain in a transverse field. 2009 , 80,	37
1164	Topology-induced anomalous defect production by crossing a quantum critical point. 2009 , 102, 135702	125
1163	Dynamics of a quantum phase transition with decoherence: Quantum Ising chain in a static spin environment. 2009 , 79,	16
1162	Spinodal-assisted nucleation during symmetry-breaking phase transitions. 2009 , 79, 051607	15
1161	Scale-invariant thermodynamics of a toroidally trapped Bose gas. 2009 , 79,	4
1160	Quantum spinodal phenomena. 2009 , 79,	5
1159	Reverse quenching in a one-dimensional Kitaev model. 2009 , 79,	15
1158	Evolution and stability of cosmic string loops with Y-junctions. 2009 , 80,	17
1157	Dynamics of long-range ordering in an exciton-polariton condensate. 2009 , 103, 256402	47
1156	Renormalized nonequilibrium quantum field theory: Scalar fields. 2009 , 80,	15
1155	Universality and anomalous mean-field breakdown of symmetry-breaking transitions in a coupled two-component Bose-Einstein condensate. 2009 , 102, 070401	66
1154	WARM INFLATION MODEL BUILDING. 2009 , 24, 2207-2240	129

1153	VACUUM POLARIZATION BY A MAGNETIC FLUX TUBE AT FINITE TEMPERATURE IN THE COSMIC STRING SPACETIME. 2009 , 18, 53-70	1
1152	INDUCED ELECTROSTATIC SELF-INTERACTION IN THE SPACETIME OF A GLOBAL MONOPOLE WITH INNER STRUCTURE. 2009 , 18, 1085-1099	3
1151	QUASINORMAL MODES OF RN BLACK HOLE SPACETIME WITH COSMIC STRING IN A DIRAC FIELD. 2009 , 24, 2025-2037	2
1150	Orbital Precession Effect in the ReissnerNordstrfh Field with a Global Monopole. 2009 , 26, 030402	1
1149	Thick Domain Walls in Lyra Geometry with Bulk Viscosity. 2009 , 51, 378-384	7
1148	Some Magnetized Bulk Viscous String Cosmological Models in Cylindrically Symmetric Inhomogeneous Universe with Variable Elerm. 2009 , 51, 367-374	34
1147	Ultracold gases and multi-Josephson junctions as simulators of out-of-equilibrium phase transformations in superfluids and superconductors. 2009 , 11, 103032	1
1146	Kfiler potentials for hilltop F-term hybrid inflation. 2009 , 2009, 024-024	24
1145	Effects of interference in the dynamics of a spin- 1/2 transverseXYchain driven periodically through quantum critical points. 2009 , 2009, P05005	36
1144	Bianchi VI 0 &III models: self-similar approach. 2009 , 26, 175003	9
1143	Induced vacuum current and magnetic field in the background of a cosmic string. 2009 , 26, 195009	27
1142	Thermotropic uniaxial nematic liquid crystal with $\stackrel{.}{-}$ 1/2 strength disclinations: defect-antidefect production and correlation. 2009 , 21, 505103	3
1141	Quantum phase transition in space in a ferromagnetic spin-1 BoseEinstein condensate. 2009 , 11, 063014	26
1140	Adiabatic dynamics in a spin-1 chain with uniaxial single-spin anisotropy. 2009 , 2009, P03038	7
1139	Quantum kink and its excitations. 2009, 2009, 068-068	7
1138	Super hilltop inflation. 2009 , 2009, 012-012	21
1137	Defect formation during a continuous phase transition. 2009 , 87, 66003	15
1136	Defect production due to quenching through a multicritical point. 2009 , 2009, P02007	53

1135	The influence of disorder on thermotropic nematic liquid crystals phase behavior. 2009 , 10, 3971-4008	19
1134	Quantised Vortices in Atomic Bose E insten Condensates. 2009 , 16, 351-403	7
1133	Thermal photon dispersion law and modified black-body spectra. 2009 , 18, 271-280	10
1132	Non-existence of five dimensional string cosmological models in Riemannian and Lyra geometries. 2009 , 319, 75-79	7
1131	Massive cosmic strings in Bianchi type II. 2009 , 323, 307-315	16
1130	Vacuumless topological defects in Lyra geometry. 2009 , 319, 169-175	2
1129	Five dimensional Bianchi type-I string cosmological model in Brans-Dicke theory. 2009 , 321, 37-41	7
1128	Nonequilibrium phase transition in the kinetic Ising model on a two-layer square lattice under the presence of an oscillating field. 2009 , 388, 28-40	25
1127	Bianchi Type V Magnetized String Dust Bulk Viscous Fluid Cosmological Model with Variable Magnetic Permeability. 2009 , 48, 476-486	8
1126	Cylindrically Symmetric Inhomogeneous Universes with a Cloud of Strings. 2009 , 48, 568-578	16
1125	Bianchi Type-III String Cosmological Models. 2009 , 48, 700-705	1
1124	Bianchi Type-III Cosmic Strings and Domain Walls Cosmological Model in General Relativity. 2009 , 48, 1019-1029	4
1123	Magnetized Domain Walls Cosmological Model in General Relativity. 2009 , 48, 2290-2296	
1122	Five Dimensional Axially Symmetric String Cosmological Models with Bulk Viscous Fluid. 2009 , 48, 2311-2318	7
1121	Fermion tunneling from a non-static black hole with the internal global monopole. 2009, 41, 2389-2398	4
1120	Theory of Decay of Superfluid Turbulence in the Low-Temperature Limit. 2009 , 156, 215-267	64
1119	Vacuum polarization effects in the cosmic string background. 2009 , 57, 705-710	
1118	An upper limit on the stochastic gravitational-wave background of cosmological origin. 2009 , 460, 990-4	267

1117 Cosmic Strings and Cosmic Superstrings. 2009 , 192-193, 68-90	40
1116 Condensation of classical nonlinear waves in a two-component system. 2009 , 238, 1482-1489	17
Gamma rays and positrons from a decaying hidden gauge boson. 2009 , 671, 71-76	88
1114 Massive gravitons trapped inside a hypermonopole. 2009 , 671, 158-161	7
1113 Hybrid quintessential inflation. 2009 , 678, 157-163	20
1112 Construction of curved global vortex. 2009 , 324, 2473-2489	2
1111 A self-gravitating Dirac B orn I hfeld global monopole. 2009 , 60, 495-500	9
1110 The stochastic Gross-Pitaevskii equation and some applications. 2009 , 19, 558-570	44
p-brane dynamics in N+1-dimensional FRW universes. 2009 , 79,	6
1108 CMB temperature bispectrum induced by cosmic strings. 2009 , 80,	49
1107 Complex singlet extension of the standard model. 2009 , 79,	174
1106 Coupled currents in cosmic strings. 2009 , 79,	9
Optimal strategies for gravitational wave stochastic background searches in pulsar timing data. 2009 , 79,	105
1104 Super-horizon cosmic string correlations. 2009 , 79,	7
1104 Super-nonzon cosmic string correlations. 2009, 19,	
Perturbations of spacetime around a stationary rotating cosmic string. 2009 , 79,	6
	2
Perturbations of spacetime around a stationary rotating cosmic string. 2009 , 79,	

1099 Nonthermal dark matter from cosmic strings. 2009 , 79,	17
1098 First LIGO search for gravitational wave bursts from cosmic (super)strings. 2009 , 80,	43
1097 Low-cost fermions in classical field simulations. 2009 , 79,	31
Memory effects in randomly perturbed systems exhibiting continuous symmetry breaking. 2009 , 36, 33-41	9
1095 Time evolution of correlations in strongly interacting fermions after a quantum quench. 2009 , 79,	88
1094 Landau quantization for a neutral particle in the presence of topological defects. 2009 , 79,	66
1093 Rotation of galaxies as a signature of cosmic strings in weak lensing surveys. 2009 , 103, 181301	17
1092 Supercritical superfluid and vortex unbinding following a quantum quench. 2009 , 80,	17
1091 One-loop results for kink and domain wall profiles at zero and finite temperature. 2009 , 80,	5
1090 Causality in condensates: gray solitons as relics of BEC formation. 2009 , 102, 105702	89
1089 Evolution of hybrid defect networks. 2009 , 80,	9
1088 Abelian Higgs cosmic strings: Small-scale structure and loops. 2009 , 79,	75
Cascades and collapses, great walls and forbidden cities Infinite towers of metastable vacua in supersymmetric field theories. 2009 , 79,	4
Non-equilibrium dynamics in Mott-to-superfluid transition in Bose-Einstein condensation in optical lattices. 2009 , 150, 032077	1
1085 Gravitational waves versus cosmic strings. 2009 , 189, 012021	
$_{f 1084}$ Magnetic rapid quench measurement in U(1) and SU(2) superconductors. 2009 , 150, 052187	
1083 Quantum Turbulence in Superfluid 3He at Very Low Temperatures. 2009 , 147-194	9

Non-equilibrium dynamics in Mott-to-superfluid transition in Bose-Einstein condensation in optical lattices. 2009 , 150, 032007	7
1080 Squeezing down the Theory Space for Cosmic Inflation. 2009 , 2,	10
1079 Vacuum polarization by topological defects in de Sitter spacetime. 2010 , 222, 012034	
1078 Gauge non-singlet (GNS) inflation in SUSY GUTs. 2010 , 259, 012046	
Imprint of cosmic neutrino decoupling in the spectrum of inflationary gravitational waves. 2010 , 259, 012086	
Quenching through Dirac and semi-Dirac points in optical lattices: Kibble-Zurek scaling for anisotropic quantum critical systems. 2010 , 89, 67001	31
Vacuum polarization by a scalar field in de Sitter spacetime in the presence of a global monopole. 2010 , 16, 92-104	O
1074 Inflationary scenario in the supersymmetric economical 3-3-1 model. 2010, 73, 791-804	6
1073 Landau quantization for an induced electric dipole in the presence of topological defects. 2010 , 8,	25
1072 Search for relativistic magnetic monopoles with the AMANDA-II neutrino telescope. 2010 , 69, 361-378	20
1071 Bifurcations, stability, and dynamics of multiple matter-wave vortex states. 2010 , 82,	57
Geometric scale invariance as a route to macroscopic degeneracy: Loading a toroidal trap with a Bose or Fermi gas. 2010 , 82,	2
1069 Time-reversal symmetry-breaking in two-band superconductors. 2010 , 470, 2023-2026	10
Emergence of coherence in the Mott-insulator uperfluid quench of the Bose-Hubbard model. 2010 , 82,	43
Connection of Vortices Between Spatially Different Phases in Two-Component Bose-Einstein Condensates. 2010 , 158, 99-104	2
1066 3He Experiments: Insights into Cosmology and Atomic Physics. 2010 , 158, 118-128	4
Axially Symmetric Bianchi Type-I Model with Massless Scalar Field and Cosmic Strings in Barber Self-Creation Cosmology. 2010 , 49, 1127-1132	1
1064 Bianchi Type-II Bulk Viscous String Cosmological Models in General Relativity. 2010 , 49, 1712-1718	4

1063 Plane Symmetric String Cosmological Models in Zero-Mass Scalar Fields. 2010 , 49, 1894-1898	3
Domain Walls Strange Quark Matter in Einstein-Rosen Space-Time with Cosmological Constant a Heat Flow. 2010 , 49, 1929-1935	nd 6
1061 Magnetized Bianchi Type III Massive String Cosmological Models in General Relativity. 2010 , 49, 2	2815-2828 ₄
1060 Charged cosmic strings interacting with gravitational and electromagnetic waves. 2010 , 42, 31-49	9 1
1059 Lensing by exotic objects. 2010 , 42, 2301-2322	12
1058 Spatial Wilson loop in continuum, deconfining SU(2) Yang-Mills thermodynamics. 2010 , 19, 102-1	20 <i>7</i>
1057 Scalar Aharonov-Bohm effect in the presence of a topological defect. 2010 , 522, 447-455	27
1056 The studies on the motion of the sine-Gordon kink on a curved surface. 2010 , 522, 574-583	3
Dynamics in mesoscopic superconducting rings: Multiple phase-slips and vortex antivortex pairs. 2010 , 470, 942-945	2
Dynamics of the geometric phase in the adiabatic limit of a quench induced quantum phase transition. 2010 , 374, 1205-1208	7
1053 Topological dark matter. 2010 , 686, 162-165	59
Low-scale leptogenesis and the domain wall problem in models with discrete flavor symmetries. 2010 , 690, 443-450	15
1051 Non-minimally gravity-coupled inflationary models. 2010 , 692, 287-296	29
1050 Chiral state in three-gap superconductors. 2010 , 150, 1980-1982	38
Direct observation of cosmic strings via their strong gravitational lensing effect - II. Results from the HST/ACS image archive. 2010 , 406, 2452-2472	17
Coherent dynamics of macroscopic electronic order through a symmetry breaking transition. 201 $6,681-684$	10 , 158
Symmetry breaking and structure of a mixture of nematic liquid crystals and anisotropic nanoparticles. 2010 , 6,	6
Bianchi Type-IX String Cosmological Models for Perfect Fluid Distribution in General Relativity. 2010 , 27, 079801	4

1045 Istring formation in QCD chiral phase transition. **2010**, 34, 444-447

1044 Massive String Cosmology in Bianchi Type III Space-Time with Electromagnetic Field. 2010 , 54, 95	50-956 5
1043 Bianchi Type I String Dust Magnetized Cosmological Models in Lyra Geometry. 2010 , 54, 197-202	2 5
Cosmic Strings and Their Induced Non-Gaussianities in the Cosmic Microwave Background. 2010 , 1042 2010, 1-28	39
1041 Evolution of cosmic necklaces and lattices. 2010 , 82,	8
1040 Novel defect structures in a strongly confined liquid-crystalline blue phase. 2010 , 104, 017801	65
1039 Finite-rate quenches of site bias in the Bose-Hubbard dimer. 2010 , 81,	15
1038 Dynamics after a sweep through a quantum critical point. 2010 , 81, 020101	91
2037 Quantum quench dynamics and population inversion in bilayer graphene. 2010 , 82,	6
Light cone dynamics and reverse Kibble-Zurek mechanism in two-dimensional superfluids follow a quantum quench. 2010 , 81,	ing 64
Scaling of entanglement entropy in a quantum phase transition in the transverse Ising model induced by a quench. 2010 , 81,	6
1034 Critical quench dynamics in confined systems. 2010 , 104, 200601	29
Evidence for long-range correlations within arrays of spontaneously created magnetic vortices in Nb thin-film superconductor. 2010 , 104, 247002	n a 37
1032 Spontaneous breaking of spatial and spin symmetry in spinor condensates. 2010 , 105, 135302	43
Monopole solution in a Lorentz-violating field theory. 2010 , 105, 201601	28
1030 Texture control in a pseudospin Bose-Einstein condensate. 2010 , 105, 220402	12
Quench dynamics near a quantum critical point: Application to the sine-Gordon model. 2010 , 81,	61
$_{f 1028}$ Phase slip phenomena in superconductors: from ordered to chaotic dynamics. 2010 , 105, 157005	5 10

Adiabatic dynamics in passage across quantum critical lines and gapless phases. 2010 , 81, 012101	12
Landau-Zener problem with waiting at the minimum gap and related quench dynamics of a many-body system. 2010 , 81,	7
Slow quench dynamics of the Kitaev model: Anisotropic critical point and effect of disorder. 2010 , 82,	20
1024 Exotic freezing of response in a quantum many-body system. 2010 , 82,	91
Semiclassical approach to survival probability at quantum phase transitions. 2010 , 81, 016214	11
1022 Kibble-Zurek mechanism and infinitely slow annealing through critical points. 2010 , 81, 050101	48
1021 Higher order intercommutations in cosmic string collisions. 2010 , 105, 021601	7
Dynamical delocalization of Majorana edge states by sweeping across a quantum critical point. 2010 , 12, 055014	46
1019 Cosmic strings and superstrings. 2010 , 466, 623-657	118
EFFECT OF COSMIC STRING IN SPHERICALLY SYMMETRIC BLACK HOLE ON THE DIRAC PERTURBATION. 2010 , 25, 111-124	1
1017 BIANCHI TYPE-I STRING DUST COSMOLOGICAL MODELS IN LYRA GEOMETRY. 2010 , 25, 3043-3054	5
Quantum quenches in the anisotropic spin-frac{1}{2} Heisenberg chain: different approaches to many-body dynamics far from equilibrium. 2010 , 12, 055017	98
1015 CANNY ALGORITHM, COSMIC STRINGS AND THE COSMIC MICROWAVE BACKGROUND. 2010 , 19, 183-217	33
Adiabatic dynamics of an inhomogeneous quantum phase transition: the case of az>1 dynamical exponent. 2010 , 12, 103002	15
1013 Semi-scaling cosmic strings. 2010 , 2010, 013-013	5
1012 Quenching across quantum critical points: Role of topological patterns. 2010 , 91, 66009	19
Adiabatic multicritical quantum quenches: Continuously varying exponents depending on the direction of quenching. 2010 , 92, 37004	30
Discussing cosmic string configurations in a supersymmetric scenario without Lorentz invariance. 2010, 12, 053029	2

1009	Dynamics of an inhomogeneous quantum phase transition. 2010 , 12, 055007	38
1008	Testing quantum adiabaticity with quench echo. 2010 , 12, 093025	20
1007	Cosmic string loop distribution on all length scales and at any redshift. 2010 , 2010, 003-003	74
1006	The 21 cm signature of cosmic string wakes. 2010 , 2010, 028-028	44
1005	Slow cooling of an Ising ferromagnet. 2010 , 2010, P02014	10
1004	System size scaling of topological defect creation in a second-order dynamical quantum phase transition. 2010 , 12, 095020	8
1003	Searching for signatures of cosmic superstrings in the CMB. 2010 , 2010, 033-033	13
1002	The effect of extra dimensions on gravity wave bursts from cosmic string cusps. 2010 , 2010, 013-013	13
1001	The Aharonov B ohm effect in conical space. 2010 , 43, 354014	4
1000	Induced fermionic current densities by magnetic flux in higher dimensional cosmic string spacetime. 2010 , 27, 095017	22
999	Graviton confinement inside hypermonopoles of any dimension. 2010 , 2010, 015-015	1
998	A possible signature of cosmic neutrino decoupling in the nHz region of the spectrum of primordial gravitational waves. 2010 , 27, 194008	8
997	Gravitational waves from collapsing domain walls. 2010 , 2010, 032-032	33
996	The consistency of codimension-2 braneworlds and their cosmology. 2010 , 2010, 022-022	14
995	F-term hybrid inflation followed by a Peccei-Quinn phase transition. 2010 , 82,	5
994	Matter-wave dark solitons: stochastic versus analytical results. 2010 , 104, 174101	54
993	Fundamental studies of superconductors using scanning magnetic imaging. 2010 , 73, 126501	107
992	Quantum quench in one dimension: coherent inhomogeneity amplification and "supersolitons". 2010 , 105, 135701	20

(2010-2010)

991	Structural defects in ion chains by quenching the external potential: the inhomogeneous Kibble-Zurek mechanism. 2010 , 105, 075701	100
990	Simulation of Z(3) walls and string production via bubble nucleation in a quark-hadron transition. 2010 , 82,	17
989	Dynamical Lorentz symmetry breaking and topological defects. 2010 , 82,	27
988	Using superconducting qubit circuits to engineer exotic lattice systems. 2010 , 82,	61
987	Gravitational-wave stochastic background from kinks and cusps on cosmic strings. 2010, 81,	151
986	O(N) symmetry-breaking quantum quench: Topological defects versus quasiparticles. 2010 , 81,	18
985	Non-Abelian bosonic currents in cosmic strings. 2010 , 82,	13
984	CMB temperature trispectrum of cosmic strings. 2010 , 81,	38
983	The geometric phase and the dynamics of quantum phase transition induced by a linear quench. 2010 , 43, 354023	3
982	Axion cosmology revisited. 2010 , 82,	162
982	Axion cosmology revisited. 2010 , 82, Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010 , 81,	162 66
	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger	
981	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010 , 81,	66
981	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010 , 81, Liquid-crystals cosmology. 2010 , 92, 14001	66 5
981 980 979	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010, 81, Liquid-crystals cosmology. 2010, 92, 14001 Dynamics of a quantum phase transition and relaxation to a steady state. 2010, 59, 1063-1189	665437
981 980 979 978	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010, 81, Liquid-crystals cosmology. 2010, 92, 14001 Dynamics of a quantum phase transition and relaxation to a steady state. 2010, 59, 1063-1189 Fields in nonaffine bundles. IV. Harmonious non-Abelian currents in string defects. 2010, 82, Real-time dynamics of single vortex lines and vortex dipoles in a Bose-Einstein condensate. 2010,	6654372
981 980 979 978 977	Nonlinear electric transport in graphene: Quantum quench dynamics and the Schwinger mechanism. 2010, 81, Liquid-crystals cosmology. 2010, 92, 14001 Dynamics of a quantum phase transition and relaxation to a steady state. 2010, 59, 1063-1189 Fields in nonaffine bundles. IV. Harmonious non-Abelian currents in string defects. 2010, 82, Real-time dynamics of single vortex lines and vortex dipoles in a Bose-Einstein condensate. 2010, 329, 1182-5	66 5 437 2 190

973	Dark solitons in atomic Bose E instein condensates: from theory to experiments. 2010 , 43, 213001	353
972	The influence of curvature on kink creation in a long Josephson junction. 2010 , 88, 627-633	1
971	Nonlinear dynamics of cosmic strings with nonscaling loops. 2010 , 82,	6
970	Observational constraints on the completeness of space near astrophysical objects. 2010 , 81,	5
969	Fermion energies in the background of a cosmic string. 2011 , 84,	8
968	Gravitational power from cosmic string loops with many kinks. 2011 , 84,	5
967	High speed collision and reconnection of Abelian Higgs strings in the deep type-II regime. 2011 , 84,	7
966	Detection of cosmic superstrings by geodesic test particle motion. 2011 , 83,	8
965	Search for cosmic strings in the COSMOS survey. 2011 , 83,	16
964	Graviton production in the scaling of a long-cosmic-string network. 2011 , 84,	1
963	Critical dynamics of decoherence. 2011 , 83,	64
962	Improved method for detecting local discontinuities in CMB data by finite differencing. 2011, 83,	1
961	Quantum quench spectroscopy of a Luttinger liquid: Ultrarelativistic density wave dynamics due to fractionalization in an XXZ chain. 2011 , 84,	19
960	Probing the dynamics of spontaneous quantum vortices in polariton superfluids. 2011 , 106, 115301	99
959	Vacuum polarization by a flat boundary in cosmic string spacetime. 2011 , 28, 145008	17
958	Diffraction of light by topological defects in liquid crystals. 2011 , 38, 295-302	17
957	Quantum superpositions of crystalline structures. 2011 , 84,	21
956	Ground-state Dirac monopole. 2011 , 84,	16

955	Quench dynamics of the 2dXYmodel. 2011 , 2011, P02032	49
954	Phase separation and pattern formation in a binary Bose-Einstein condensate. 2011 , 107, 230402	78
953	Colloquium: Nonequilibrium dynamics of closed interacting quantum systems. 2011 , 83, 863-883	1687
952	EXCITATION OF STELLAR OSCILLATIONS BY GRAVITATIONAL WAVES: HYDRODYNAMIC MODEL AND NUMERICAL RESULTS FOR THE SUN. 2011 , 729, 137	10
951	VACUUM POLARIZATION IN A COSMIC STRING SPACETIME INDUCED BY FLAT BOUNDARY. 2011 , 03, 434-445	О
950	Non-adiabatic quench dynamics near anisotropic quantum critical point. 2011 , 297, 012020	
949	Fluxoid formation: size effects and non-equilibrium universality. 2011 , 286, 012056	1
948	Non-equilibrium dynamics near a quantum multicritical point. 2011 , 297, 012008	1
947	Kibble-Zurek mechanism in simulated annealing and quantum annealing. 2011 , 302, 012046	6
946	Defects in semilinear wave equations and timelike minimal surfaces in Minkowski space. 2011 , 4, 285-340	10
945	Domains in multiband superconductors. 2011 , 471, 747-750	11
944	Cosmic string in the BTZ black hole background with time-dependent tension. 2011 , 703, 14-19	14
943	Application of Haar functions with cyclic translations in the search for cosmic strings. 2011 , 66, 588-592	1
942	Cosmic Strings in the Universe: Achievements and prospects of research. 2011 , 113, 798-807	1
941	Correlation properties of anisotropic XY model with a sudden quench. 2011 , 79, 503-507	2
940	Introduction. 2011 , 1-14	3
939	Bose-Einstein Condensation. 2011 , 231-268	
938	Signatures of the neutrino thermal history in the spectrum of primordial gravitational waves. 2011 , 43, 945-958	7

937	Naked singularity formation in ({f({mathcal R})}) gravity. 2011, 43, 2943-2963	24
936	Anisotropic Bianchi Type-I String Cosmological Models in Normal Gauge for Lyrall Manifold with Constant Deceleration Parameter. 2011 , 50, 916-933	32
935	Magnetized String Cosmology in Anisotropic Bianchi-II Space-time with Variable Cosmological Term-II 2011, 50, 1424-1443	7
934	Magnetized Bianchi Type III String Universe with Time Decaying Vacuum Energy Density [] 2011 , 50, 2531-2545	6
933	Lyra Cosmology of Massive Strings in Anisotropic Bianchi-II Space-Time. 2011 , 50, 2850-2863	8
932	Experimental Determination of Correlations Between Spontaneously Formed Vortices in a Superconductor. 2011 , 164, 74-80	6
931	LRS Bianchi type-II massive string cosmological model in General Relativity. 2011, 331, 275-279	14
930	Exact solution of perfect fluid massive string cosmology in Bianchi type III space-time with decaying vacuum energy density [2011, 331, 679-687	10
929	Anisotropic Bianchi type-I models in string cosmology. 2011 , 331, 697-704	13
928	Primordial magnetogenesis. 2011 , 505, 1-58	231
928 927	Primordial magnetogenesis. 2011, 505, 1-58 Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011, 76, 543-551	231
	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric	
927	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011 , 76, 543-551	3
927 926	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011 , 76, 543-551 Equilibration and thermalization in finite quantum systems. 2011 , 8, 485-507	3
927 926 925	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011, 76, 543-551 Equilibration and thermalization in finite quantum systems. 2011, 8, 485-507 Domain growth in chiral phase transitions. 2011, 864, 176-202 Emergence and stability of vortex clusters in BoseEinstein condensates: A bifurcation approach	3 115 7
927 926 925 924	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011, 76, 543-551 Equilibration and thermalization in finite quantum systems. 2011, 8, 485-507 Domain growth in chiral phase transitions. 2011, 864, 176-202 Emergence and stability of vortex clusters in BoseEinstein condensates: A bifurcation approach near the linear limit. 2011, 240, 1449-1459	3 115 7 20
927 926 925 924 923	Bianchi type-I massive string magnetized barotropic perfect fluid cosmological model in bimetric theory. 2011, 76, 543-551 Equilibration and thermalization in finite quantum systems. 2011, 8, 485-507 Domain growth in chiral phase transitions. 2011, 864, 176-202 Emergence and stability of vortex clusters in BoseEinstein condensates: A bifurcation approach near the linear limit. 2011, 240, 1449-1459 A CP-safe solution of the . 2011, 696, 348-351	3 115 7 20

(2011-2011)

919	Induced self-energy on a static scalar charged particle in the spacetime of a global monopole with finite core. 2011 , 28, 065009	3
918	Vacuum energy in conical space with additional boundary conditions. 2011 , 28, 175020	14
917	The deflection angle of a gravitational source with a global monopole in the strong field limit. 2011 , 28, 015001	22
916	The inhomogeneous Kibble durek mechanism: vortex nucleation during Bose dinstein condensation. 2011 , 13, 083022	40
915	Ring of BEC pools as a trap for persistent flow. 2011 , 84,	6
914	Slow quench dynamics of a one-dimensional Bose gas confined to an optical lattice. 2011 , 106, 200601	40
913	Probing the cosmological constant and phase transitions with dark matter. 2011 , 84,	8
912	Scaling properties of domain wall networks. 2011 , 84,	37
911	Slow quench dynamics of periodically driven quantum gases. 2011 , 84,	40
910	Quench dynamics of the topological quantum phase transition in the Wen-plaquette model. 2011 , 83,	5
909	Density of defects and the scaling law of the entanglement entropy in quantum phase transition of one-dimensional spin systems induced by a quench. 2011 , 83,	6
908	Nonlinear quenches of power-law confining traps in quantum critical systems. 2011 , 83,	8
907	Solitons as the early stage of quasicondensate formation during evaporative cooling. 2011 , 106, 135301	56
906	Thermal fluctuations in superconducting rings with general shape. 2011 , 83,	1
905	String vertex operators and cosmic strings. 2011 , 84,	10
904	Monopoles, strings, and dark matter. 2011 , 83,	11
903	Resonant tunneling in superfluid 3He. 2011 , 84,	7
902	Quantum quench of an atomic Mott insulator. 2011 , 106, 235304	123

901	Domain wall space-times with a cosmological constant. 2011 , 83,	5
900	Excitation energy after a smooth quench in a Luttinger liquid. 2011 , 84,	11
899	Directional limits on persistent gravitational waves using LIGO S5 science data. 2011 , 107, 271102	85
898	Ring defects in a strongly confined chiral liquid crystal. 2011 , 106, 097801	27
897	Locally Rotationally Symmetric Bianchi Type-II Magnetized String Cosmological Model with Bulk Viscous Fluid in General Relativity. 2011 , 28, 089802	3
896	Bianchi Type-I String Cosmological Model with Bulk Viscosity and Time-Dependent Iterm. 2011 , 28, 090401	1
895	Anisotropic Bianchi Type-I Magnetized String Cosmological Models with Decaying Vacuum Energy Density (lt). 2011 , 55, 931-941	11
894	Search for cosmic strings using optical and radio astronomy methods. 2011 , 54, 1072-1077	4
893	Topological phases, Majorana modes and quench dynamics in a spin ladder system. 2011 , 13, 065028	93
892	EINSTEIN R OSEN STRING COSMOLOGICAL MODEL IN BARBER'S SECOND SELF-CREATION THEORY. 2011 , 26, 1651-1657	5
891	STRING COSMOLOGY IN ANISOTROPIC BIANCHI-II SPACETIME. 2011 , 26, 779-793	9
890	ON THE INFLUENCE OF CURVATURE ON THE LANDAUHEMCKELLARWILKENS QUANTIZATION INDUCED BY NONINERTIAL EFFECTS. 2011 , 26, 4239-4249	19
889	ON THE SYMMETRY OF THE VACUUM IN THEORIES WITH "SPONTANEOUS SYMMETRY BREAKING". 2011 , 26, 1493-1544	7
888	Seeking string theory in the cosmos. 2011 , 28, 204009	78
887	Fine Structure Constant, Domain Walls, and Generalized Uncertainty Principle in the Universe. 2011 , 2011, 1-12	
886	Specific dynamics for the domain walls in EinsteinMaxwell-dilaton theory. 2012 , 29, 065013	1
885	Vacuum polarization induced by a cosmic string in anti-de Sitter spacetime. 2012 , 45, 115402	23
884	Stable EntiferromagneticDortex lattice imprinted into a type-II superconductor. 2012, 14, 103021	2

883	Non-thermal fixed points and solitons in a one-dimensional Bose gas. 2012 , 14, 075005	30
882	Causality and defect formation in the dynamics of an engineered quantum phase transition in a coupled binary Bose E instein condensate. 2012 , 14, 095030	22
881	Stable vortex loops in two-species BECs. 2012 , 45, 225301	4
880	Bianchild string cosmological model and late time acceleration. 2012 , 12, 1467-1474	21
879	Vortices and Chirality in Multi-Band Superconductors. 2012 , 81, 024712	52
878	Anisotropies in the gravitational-wave stochastic background. 2012 , 2012, 009-009	11
877	Weak lensing generated by vector perturbations and detectability of cosmic strings. 2012 , 2012, 030-030	17
876	Highlights from the Asia Pacific Region. 2012 , 01, 14-31	
875	Cosmic super-strings and Kaluza-Klein modes. 2012 , 2012, 022-022	9
874	Robust constraint on cosmic textures from the cosmic microwave background. 2012 , 108, 241301	
©/ 1	RODUSE CONSCIAINE ON COSMIC TEXEURES FROM THE COSMIC MICROWAVE DACKGROUND. 2012, 100, 241301	10
873	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012 , 85,	6
	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on	
873	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012 , 85,	6
8 ₇₃	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012 , 85, Spontaneous solitons in the thermal equilibrium of a quasi-1D Bose gas. 2012 , 109, 205302	6 37
8 ₇₃ 8 ₇₂ 8 ₇₁	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012 , 85, Spontaneous solitons in the thermal equilibrium of a quasi-1D Bose gas. 2012 , 109, 205302 Radio broadcasts from superconducting strings. 2012 , 86, Signatures of the superfluid to Mott insulator transition in equilibrium and in dynamical ramps.	6 37 33
873 872 871 870	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012, 85, Spontaneous solitons in the thermal equilibrium of a quasi-1D Bose gas. 2012, 109, 205302 Radio broadcasts from superconducting strings. 2012, 86, Signatures of the superfluid to Mott insulator transition in equilibrium and in dynamical ramps. 2012, 86,	6 37 33
873 872 871 870 869	Quenching across quantum critical points in periodic systems: Dependence of scaling laws on periodicity. 2012, 85, Spontaneous solitons in the thermal equilibrium of a quasi-1D Bose gas. 2012, 109, 205302 Radio broadcasts from superconducting strings. 2012, 86, Signatures of the superfluid to Mott insulator transition in equilibrium and in dynamical ramps. 2012, 86, Quench from Mott insulator to superfluid. 2012, 86,	6 37 33 12 20

865	Evolution of FLRW spacetime after the birth of a cosmic string. 2012 , 85,	3
864	Crystallized half-skyrmions and inverted half-skyrmions in the condensation of spin-1 Bose gases with spin-orbit coupling. 2012 , 86,	59
863	Magnetic-field dependence of the entanglement entropy of one-dimensional spin systems in quantum phase transitions induced by a quench. 2012 , 86,	8
862	Critical dynamics of a two-dimensional superfluid near a nonthermal fixed point. 2012 , 86,	64
861	Slow quench dynamics of Mott-insulating regions in a trapped Bose gas. 2012 , 85,	31
860	Confined p-band Bose-Einstein condensates. 2012 , 85,	16
859	Gravitating superconducting strings with timelike or spacelike currents. 2012 , 86,	5
858	Effects of quarks on the formation and evolution of $Z(3)$ walls and strings in an effective model near the QCD deconfining transition. 2012 , 86,	6
857	Kibble-Zurek problem: Universality and the scaling limit. 2012 , 86,	136
856	Topological interface engineering and defect crossing in ultracold atomic gases. 2012 , 109, 015302	30
855	Sudden quenching in the Kitaev honeycomb model: Study of defect and heat generation. 2012, 86,	10
854	Forecast constraints on cosmic string parameters from gravitational wave direct detection experiments. 2012 , 86,	44
853	Nonequilibrium dynamic critical scaling of the quantum Ising chain. 2012 , 109, 015701	93
852	All sky CMB map from cosmic strings integrated Sachs-Wolfe effect. 2012 , 86,	23
851	Geodesic motion in the space-time of cosmic strings interacting via magnetic fields. 2012, 86,	4
850	Tachyon condensation due to domain-wall annihilation in Bose-Einstein condensates. 2012 , 109, 245301	21
849	Nonequilibrium dynamics of bosonic Mott insulators in an electric field. 2012 , 85,	39
848	EXPLORING THE KIBBLEZUREK MECHANISM IN A SECONDARY BIFURCATION. 2012 , 22, 1250165	5

847	GRAVITATIONAL FIELD OF A ROTATING GLOBAL MONOPOLE IN f(R) THEORY. 2012 , 27, 1250178	13
846	Bianchi Types II, VIII, and IX String Cosmological Models in Brans-Dicke Theory of Gravitation. 2012 , 2012, 1-8	2
845	Electroweak baryogenesis in non-minimal composite Higgs models. 2012 , 2012, 012-012	8o
844	When Casimir meets Kibble⊠urek. 2012 , T151, 014071	
843	Vortex lines in a ferromagnetic spin-triplet superconductor. 2012 , 21, 057401	
842	String cosmological models in the Brans-Dicke theory for five-dimensional space-time. 2012 , 12, 39-45	1
841	WIGHTMAN FUNCTIONS IN DE SITTER AND ANTI-DE SITTER SPACETIMES IN THE PRESENCE OF COSMIC STRINGS. 2012 , 18, 115-124	1
840	Winding up superfluid in a torus via Bose Einstein condensation. 2012 , 2, 352	73
839	Evading the pulsar constraints on the cosmic string tension in supergravity inflation. 2012, 2012, 023-023	11
838	Magnetic monopoles in field theory and cosmology. 2012 , 370, 5705-17	10
837	Anisotropic quantum quench in the presence of frustration or background gauge fields: A probe of	
-03/	bulk currents and topological chiral edge modes. 2012 , 86,	23
836	bulk currents and topological chiral edge modes. 2012 , 86, Nonequilibrium quantum phase transitions in the Ising model. 2012 , 86,	48
836	Nonequilibrium quantum phase transitions in the Ising model. 2012 , 86,	48
836 835	Nonequilibrium quantum phase transitions in the Ising model. 2012 , 86, Precise experimental investigation of eigenmodes in a planar ion crystal. 2012 , 109, 263003	48
836 835 834	Nonequilibrium quantum phase transitions in the Ising model. 2012, 86, Precise experimental investigation of eigenmodes in a planar ion crystal. 2012, 109, 263003 Introduction to magnetic monopoles. 2012, 53, 195-211	48 39 32
836 835 834 833	Nonequilibrium quantum phase transitions in the Ising model. 2012, 86, Precise experimental investigation of eigenmodes in a planar ion crystal. 2012, 109, 263003 Introduction to magnetic monopoles. 2012, 53, 195-211 Light-cone-like spreading of correlations in a quantum many-body system. 2012, 481, 484-7 Noninertial Effects on a Dirac Neutral Particle Inducing an Analogue of the Landau Quantization in	48 39 32 533

829	Constraints on cosmic string tension imposed by the limit on the stochastic gravitational wave background from the European Pulsar Timing Array. 2012 , 85,	108
828	Stability of superconducting strings coupled to cosmic strings. 2012 , 85,	1
827	Scaling laws for weakly interacting cosmic (super)string and p-brane networks. 2012, 85,	10
826	Assisted finite-rate adiabatic passage across a quantum critical point: exact solution for the quantum Ising model. 2012 , 109, 115703	208
825	Creation and characterization of vortex clusters in atomic Bose-Einstein condensates. 2012, 86,	45
824	Spontaneous mirror parity violation, common origin of matter and dark matter, and the LHC signatures. 2012 , 85,	31
823	Weak lensing of CMB by cosmic (super-)strings. 2012 , 85,	10
822	Higher-dimensional DBI solitons. 2012 , 85,	7
821	Form factor and width of a quantum string. 2012 , 86,	
820	Abe homotopy classification of topological excitations under the topological influence of vortices. 2012 , 856, 577-606	19
819	On DBI Textures with generalized Hopf fibration. 2012 , 713, 297-300	6
818	Experimental quantum simulations of many-body physics with trapped ions. 2012 , 75, 024401	227
817	Anisotropic Bianchi Type-II Massive String Cosmological Models with Time-Decaying ITerm and Thermodynamic Parameters. 2012 , 51, 3113-3126	2
816	Cosmic superstring trajectories in warped compactifications. 2012 , 86,	3
815	Photon production from the vacuum close to the superradiant transition: linking the dynamical Casimir effect to the Kibble-Zurek mechanism. 2012 , 108, 093603	20
814	Non-local quantum superpositions of topological defects. 2012 , 8, 49-53	27
813	Quantum phases and dynamics of geometric phase in a quantum spin chain under linear quench. 2012 , 85, 1	1
812	Relativistic quantum dynamics of a charged particle in cosmic string spacetime in the presence of magnetic field and scalar potential. 2012 , 72, 1	170

(2012-2012)

811	Noninertial effects on the Dirac oscillator in a topological defect spacetime. 2012 , 127, 1	61
810	String cosmological models from early deceleration to current acceleration phase with varying G and (Lambda). 2012 , 127, 1	35
809	Transverse Ising chain under periodic instantaneous quenches: Dynamical many-body freezing and emergence of slow solitary oscillations. 2012 , 86,	32
808	Scaling Behavior and Beyond Equilibrium in the Hexagonal Manganites. 2012 , 2,	88
807	Complex scalar singlet dark matter: Vacuum stability and phenomenology. 2012, 86,	89
806	Direct observation of the proliferation of ferroelectric loop domains and vortex-antivortex pairs. 2012 , 108, 167603	139
805	Spinor Bose E instein condensates. 2012 , 520, 253-381	522
804	Phase transition and monopole production in supergravity inflation. 2012 , 85,	4
803	Radio jets and galaxies as cosmic string probes. 2012 , 7, 461-470	O
802	Leptonic CP violation. 2012 , 84, 515-565	140
802	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012 , 553, 153-160	140
801		
801	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012 , 553, 153-160	1
801	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012 , 553, 153-160 Bose Gases with Nonzero Spin. 2012 , 3, 263-283 Scaling of the decoherence factor of a qubit coupled to a spin chain driven across quantum critical	1 26
801 800 799	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012, 553, 153-160 Bose Gases with Nonzero Spin. 2012, 3, 263-283 Scaling of the decoherence factor of a qubit coupled to a spin chain driven across quantum critical points. 2012, 86,	1 26
801 800 799 798	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012, 553, 153-160 Bose Gases with Nonzero Spin. 2012, 3, 263-283 Scaling of the decoherence factor of a qubit coupled to a spin chain driven across quantum critical points. 2012, 86, D-branes from classical macroscopic strings. 2012, 44, 1693-1711	1 26 29
801 800 799 798 797	Thin Nematic Films: Laboratory of Physics for Topological Defects. 2012, 553, 153-160 Bose Gases with Nonzero Spin. 2012, 3, 263-283 Scaling of the decoherence factor of a qubit coupled to a spin chain driven across quantum critical points. 2012, 86, D-branes from classical macroscopic strings. 2012, 44, 1693-1711 String Cloud with Quark Matter in Self-creation Cosmology. 2012, 51, 1538-1544 Cosmological Model with Strange Quark Matter Attached to Cosmic String for Axially Symmetric	1 26 29

793	Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. 2012 , 35, 634-640	38
792	Symmetry analysis and conservation laws of the geodesic equations for the Reissner-Nordstrth de Sitter black hole with a global monopole. 2012 , 17, 2350-2361	5
791	Phase fluctuation in multi-band superconductors. 2012 , 27, 17-20	2
790	Strongly first order phase transitions near an enhanced discrete symmetry point. 2012 , 710, 1-7	28
789	Nonlinear quantum interferometry with Bose condensed atoms. 2012 , 7, 109-130	63
788	Strange Quark Matter Attached to String Cosmology in FRW Space-Time. 2012 , 51, 83-89	10
787	On the Effects of Curvature on the Confinement of a Neutral Particle to a Quantum Dot Induced by Non-inertial Effects. 2012 , 51, 759-771	12
786	Defects and Glassy Dynamics in Solid 4He: Perspectives and Current Status. 2013 , 172, 388-421	3
7 ⁸ 5	Defect Formation in Superconducting Rings: External Fields and Finite-Size Effects. 2013, 171, 788-796	2
784	Tachyon Condensation and Brane Annihilation in Bose-Einstein Condensates: Spontaneous Symmetry Breaking in Restricted Lower-Dimensional Subspace. 2013 , 171, 443-454	7
783	Brane-world cosmic strings revive the cosmological constant. 2013 , 30, 165006	2
782	Spinor Bose gases: Symmetries, magnetism, and quantum dynamics. 2013 , 85, 1191-1244	512
781	Planck distribution of phonons in a Bose-Einstein condensate. 2013 , 111, 055301	29
780	Wall-vortex composite solitons in two-component Bose-Einstein condensates. 2013, 88,	29
779	Topological defect formation and spontaneous symmetry breaking in ion Coulomb crystals. 2013 , 4, 2291	166
778	Observation of the Kibble-Zurek scaling law for defect formation in ion crystals. 2013 , 4, 2290	167
777	On the interaction of the Dirac oscillator with the Aharonov©asher system in topological defect backgrounds. 2013 , 336, 489-504	75
776	Quench dynamics in spin crossover induced by high pressure. 2013 , 11,	

(2020-2013)

775	A five dimensional Kaluza-Klein bulk viscous string cosmological model in Brans-Dicke scalar-tensor theory of gravitation. 2013 , 347, 197-201	11
774	Probabilistic estimates of the number of cosmic strings. 2013 , 116, 71-79	1
773	Dynamics of the modified Kibble-Ūrek mechanism in antiferromagnetic spin-1 condensates. 2013 , 88,	16
772	The multiuniverse transition in superfluid 3He. 2013 , 25, 404205	3
771	Predicted nucleation of domain walls in $p(x)+ip(y)$ superconductors by a $Z(2)$ symmetry-breaking transition in external magnetic fields. 2013 , 111, 177001	9
770	Dynamics of the Mott Insulator to Superfluid quantum phase transition in the truncated Wigner approximation. 2013 , 414, 012029	1
769	Pattern formation in individual-based systems with time-varying parameters. 2013 , 88, 062104	2
768	One-dimensional quantum many body systems with long-range interactions. 2020 , 53, 013001	9
767	Rotating black string in BornInfeld gravityII rainbow. 2020 , 98, 929-938	
766	Vacuum polarization in high-dimensional AdS space-time in the presence of a cosmic string and a compactified extra dimension. 2020 , 135, 1	6
765	Electric field-induced crossover from 3D to 2D topological defects in a nematic liquid crystal: experimental verification. 2020 , 16, 642-650	7
764	Hamiltonian nature of monopole dynamics. 2020 , 384, 126101	3
763	Interface Dynamics in Semilinear Wave Equations. 2020 , 373, 971-1009	2
762	Holographic systems far from equilibrium: a review. 2020 , 83, 016001	1
761	Interaction of the magnetic quadrupole moment of a non-relativistic particle with an electric field in a rotating frame. 2020 , 412, 168040	19
760	Dynamics of logarithmic negativity and mutual information in smooth quenches. 2020 , 2020,	1
759	Formation and dynamics of quantum hydrodynamical breathing-ring solitons. 2020, 102,	1
758	Kibble-Zurek mechanism from different angles: The transverse XY model and subleading scalings. 2020 , 102,	1

757 The Extension of the Massless Fermion Behaviour in the Cosmic String Spacetime. **2020**, 2020, 1-13

756	Clouds of strings in 4D Einstein@aussBonnet black holes. 2020 , 30, 100730	15
755	The gravitational waves from the collapsing domain walls in the complex singlet model. 2020, 2020, 1	1
754	Defect production and quench dynamics in the three-dimensional Kitaev model. 2020 , 102,	Ο
753	Experimentally detecting dynamical quantum phase transitions in a slowly quenched Ising-chain model. 2020 , 102,	0
75 ²	Emergent topology under slow nonadiabatic quantum dynamics. 2020 , 102,	3
75 ¹	Topological thermalization via vortex formation in ultrafast quenches. 2020 , 101, 052113	
750	Aharonov B ohm effect for bound states in the cosmic string spacetime in the context of rainbow gravity. 2020 , 52, 1	1
749	Nonequilibrium Criticality in Quench Dynamics of Long-Range Spin Models. 2020 , 125, 040602	4
748	Bounds for nonadiabatic transitions. 2020 , 102,	1
747	Emergent vortex⊞lectron interaction from dualization. 2020 , 418, 168167	1
746	Gravitational Wave Bursts as Harbingers of Cosmic Strings Diluted by Inflation. 2020 , 125, 211302	14
745	Constraints on the cosmic string loop collapse fraction from primordial black holes. 2020, 101,	3
744	Kibble-Zurek Behavior in Disordered Chern Insulators. 2020 , 125, 216601	2
743	An interacting fermion-antifermion pair in the spacetime background generated by static cosmic string. 2020 , 811, 135960	11
742	Global cosmic string networks as a function of tension. 2020 , 2020, 021-021	11
74 ¹	Induced fermionic current in AdS spacetime in the presence of a cosmic string and a compactified dimension. 2020 , 80, 1	4
740	Parameter-free velocity-dependent one-scale model for domain walls. 2020 , 101,	1

739	Scalar field in a uniformly rotating frame in the time-dislocation spacelime. 2020, 35, 2050129	4
738	Annihilation dynamics of reverse tilt domains in nematic liquid crystals. 2020 , 313, 113547	1
737	On-Demand Optical Generation of Single Flux Quanta. 2020 , 20, 6488-6493	О
736	Scaling properties of the dynamics at first-order quantum transitions when boundary conditions favor one of the two phases. 2020 , 102, 012143	4
735	Trapped Rydberg ions: A new platform for quantum information processing. 2020, 69, 233-306	3
734	Structural dynamics of incommensurate charge-density waves tracked by ultrafast low-energy electron diffraction. 2020 , 7, 034304	11
733	Gravitational wave signals of pseudo-Goldstone dark matter in the Z3 complex singlet model. 2020 , 101,	13
732	Self-gravitating kinks in two-dimensional pseudo-Riemannian universes. 2020 , 101,	1
731	Nonlinear Emodels in the Eddington-inspired Born-Infeld gravity. 2020, 101,	7
730	Exhausting all exact solutions of BPS domain wall networks in arbitrary dimensions. 2020, 101,	2
729	Electroweak strings with dark scalar condensates and their stability. 2020 , 102,	1
728	Real-Time Monitoring of Nanoscale Polarization Switching. 2020 , 13,	
727	Quantum dynamics of scalar particles in the spacelime of a cosmic string in the context of gravity! rainbow. 2020 , 421, 168276	3
726	Dynamics after quenches in one-dimensional quantum Ising-like systems. 2020 , 102,	3
725	Half-Integer Quantized Topological Response in Quasiperiodically Driven Quantum Systems. 2020 , 125, 100601	8
- 2.4	Floquet Topological Phase of Nondriven p-Wave Nonequilibrium Excitonic Insulators. 2020 , 125, 106401	10
724		
723	Searching for BPS vortices with nonzero stress tensor in the generalized BornInfeldHiggs model. 2020 , 135, 1	1

721	On the nature of cosmic strings in black hole spacetimes. 2020 , 52, 1	1
720	Solution of d-dimension time independent cosmic string using supersymmetry quantum mechanics method for rosen morse, scarf II and scarf I non-central potentials. 2020 , 1572, 012061	
719	Superradiance of a global monopole in Reissner Nordstr (AdS) space-time. 2020, 80, 1	4
718	Magnetic monopoles revisited: Models and searches at colliders and in the Cosmos. 2020 , 35, 2030012	16
717	Annihilation of Highly-Charged Topological Defects. 2020 , 10, 673	
716	Relativistic scalar charged particle in a rotating cosmic string space-time with Cornell-type potential and Aharonov-Bohm effect. 2020 , 131, 30002	8
715	Kibble-Zurek Mechanism in Driven Dissipative Systems Crossing a Nonequilibrium Phase Transition. 2020 , 125, 095301	10
714	A CMB Millikan experiment with cosmic axiverse strings. 2020 , 2020, 1	14
713	Beyond the Standard Models with cosmic strings. 2020 , 2020, 032-032	34
712	Investigation of the magnetized string distribution in the Marder universe with the cosmological term in $f(R,T)$ theory. 2020 , 35, 2050263	2
711	Quantum Influence of Topological Defects on a Relativistic Scalar Particle with Cornell-Type Potential in Cosmic String Space-Time with a Spacelike Dislocation. 2020 , 2020, 1-12	3
710	Transient Trapping into Metastable States in Systems with Competing Orders. 2020 , 10,	14
709	DFSZ axion couplings revisited. 2020 , 811, 135881	5
708	From NANOGrav to LIGO with metastable cosmic strings. 2020 , 811, 135914	47
707	Axion quality from the (anti)symmetric of SU((mathcal{N})). 2020 , 2020, 1	15
706	Inhomogeneity induced shortcut to adiabaticity in Ising chains with long-range interactions. 2020 , 102,	1
705	Relaxation times for Bose-Einstein condensation in axion miniclusters. 2020 , 102,	8
704	Bubble wall correlations in cosmological phase transitions. 2020 , 102,	1

703	Irreducible background of gravitational waves from a cosmic defect network: Update and comparison of numerical techniques. 2020 , 102,	15
702	New bounds on macroscopic scalar-field topological defects from nontransient signatures due to environmental dependence and spatial variations of the fundamental constants. 2020 , 102,	7
701	Quantum formation of topological defects. 2020 , 102,	2
700	Winding up a finite size holographic superconducting ring beyond Kibble-Zurek mechanism. 2020 , 102,	3
699	Hidden sector monopole dark matter with matter domination. 2020 , 2020, 1	1
698	21 cm forest probes on axion dark matter in postinflationary Peccei-Quinn symmetry breaking scenarios. 2020 , 102,	1
697	Cosmic filaments from cosmic strings. 2020 , 102,	5
696	Revisiting Y junctions for strings with currents: Transonic elastic case. 2020 , 102,	О
695	Self-Trapped Polarons and Topological Defects in a Topological Mott Insulator. 2020 , 125, 240601	2
694	Fermionic path integrals and correlation dynamics in a 1D XY system. 2020 , 421, 168286	1
693	GLOBAL NEARLY-PLANE-SYMMETRIC SOLUTIONS TO THE MEMBRANE EQUATION. 2020 , 8,	3
692	Gravitational waves from cosmic domain walls: a mini-review. 2020 , 1586, 012039	О
691	Kibble-Zurek Scaling with Matrix Product States. 2020 , 947, 012012	1
690	Collapsing domain walls in the two-Higgs-doublet model and deep insights from the EDM. 2020 , 2020, 1	8
689	Quantifying the effect of cooled initial conditions on cosmic string network evolution. 2020, 102,	5
688	Complexity and Floquet dynamics: Nonequilibrium Ising phase transitions. 2020 , 102,	2
687	Direct determination of cosmic string loop density from simulations. 2020, 101,	6
686	Angle deficit and nonlocal gravitoelectromagnetism around a slowly spinning cosmic string. 2020 , 29, 2043027	7

Deep inelastic vortex scattering: A third outcome for head-on collisions. 2020, 102,

684	Emergence of classical structures from the quantum vacuum. 2020 , 102,	2
683	Exact solutions of domain wall junctions in arbitrary dimensions. 2020 , 102,	Ο
682	Note on a solution to domain wall problem with the Lazarides-Shafi mechanism in axion dark matter models. 2020 , 101,	8
681	Probing the gravitational wave background from cosmic strings with LISA. 2020 , 2020, 034-034	68
680	Transition from escaped to decomposed nematic defects, and vice versa. 2020 , 16, 4814-4822	13
679	Vacuum decay in the presence of a cosmic string. 2020 , 101,	4
678	Domain walls and quark matter in Bianchi type-V universe with observational constraints in F(R,T) gravity. 2020 , 17, 2050014	6
677	Full analytical approximation to the stochastic gravitational wave background generated by cosmic string networks. 2020 , 101,	12
676	Phase transition of a charged AdS black hole with a global monopole through geometrical thermodynamics. 2020 , 804, 135360	11
675	Cylindrical systems in general relativity. 2020 , 37, 113002	16
674	Radiative generation of neutrino masses in a 3-3-1 type model. 2020 , 101,	3
673	Decelerating to accelerating scenario for Bianchi type-II string Universe in f(R,T)-gravity theory. 2020 , 17, 2050108	2
672	Scalar hairy black holes in the presence of nonlinear electrodynamics. 2020 , 101,	1
671	Updated constraints on superconducting cosmic strings from the astronomy of fast radio bursts. 2020 , 80, 1	1
670	Bianchi type I cosmological model with perfect fluid and string in f(T) theory of gravitation. 2020 , 29, 2050054	О
669	Interaction of Bianchi type-I anisotropic cloud string cosmological model universe with electromagnetic field. 2020 , 17, 2050133	O
668	Full Counting Statistics of Topological Defects after Crossing a Phase Transition. 2020 , 124, 240602	11

667	Structural transformations in tetravalent nematic shells induced by a magnetic field. 2020, 16, 8169-8178	2
666	Complex Density Wave Orders and Quantum Phase Transitions in a Model of Square-Lattice Rydberg Atom Arrays. 2020 , 124, 103601	21
665	Ionization from cosmic strings at cosmic dawn. 2020 , 101,	3
664	Non-inertial effects on a generalized DKP oscillator in a cosmic string space-time. 2020 , 52, 1	25
663	Quantum stress tensor of massive vector field in the spacetime of a pointlike global monopole. 2020 , 98, 944-948	
662	Phase transitions in nematics: textures with tactoids and disclinations. 2020 , 15, 8	6
661	A similarity of quantum phase transition and quench dynamics in the Dicke model beyond the thermodynamic limit. 2020 , 7,	5
660	Tuning magnetic order with geometry: Thermalization and defects in two-dimensional artificial spin ices. 2020 , 101,	11
659	Perspectives of quantum annealing: methods and implementations. 2020, 83, 054401	74
658	Gravitational Lensing Signatures of Axion Dark Matter Minihalos in Highly Magnified Stars. 2020 , 159, 49	26
657	Quantum Bubbles in Microgravity. 2020 , 125, 010402	8
656	Nonequilibrium kinetics of excess defect generation and dynamic scaling in the Ising spin chain under slow cooling. 2020 , 102, 012114	1
655	Aharonov B ohm effect for bound states on spin-0 scalar charged particles in a rotating cosmic string space l ime with Coulomb potentials. 2020 , 35, 2050101	2
654	Cosmic stringlike objects in hybrid metric-Palatini gravity. 2020 , 101,	9
653	The landscape of QCD axion models. 2020 , 870, 1-117	134
652	Klein L iordon oscillator subject to a Cornell-type potential in the rotating cosmic string space-time and Aharonov B ohm effect. 2020 , 17, 2050138	5
651	Quantum influence of magnetic flux on spin-0 scalar charged particles in the presence of external field in a spinning cosmic string space-time. 2020 , 35, 2050220	2
650	CMB spectral distortions constraints on primordial black holes, cosmic strings and long lived unstable particles revisited. 2020 , 2020, 010-010	9

649	Domain walls in neutron P23 superfluids in neutron stars. 2020 , 101,	6
648	Axion miniclusters in modified cosmological histories. 2020 , 101,	19
647	Kibble-Zurek mechanism in a quantum link model. 2020 , 101,	1
646	Magnetic signatures of domain walls in s+is and s+id superconductors: Observability and what that can tell us about the superconducting order parameter. 2020 , 101,	O
645	Shadow Images of a Rotating Dyonic Black Hole with a Global Monopole Surrounded by Perfect Fluid. 2020 , 6, 23	22
644	Second-order confluent supersymmetric approach to the Dirac equation in the cosmic string spacetime. 2020 , 135, 1	1
643	Multiferroics beyond electric-field control of magnetism. 2020 , 476, 20190542	40
642	Quench dynamics in one-dimensional optomechanical arrays. 2020 , 101,	3
641	Loschmidt-amplitude wave function spectroscopy and the physics of dynamically driven phase transitions. 2020 , 101,	4
640	Kibble-Zurek scaling in a holographic p-wave superconductor. 2020 , 101,	3
639	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 Tev Proton-Proton Collisions with the ATLAS Detector. 2020 , 124, 031802	15
638	Relativistic quantum dynamics of spin-0 massive charged particle in the presence of external fields in 4D curved space-time with a cosmic string. 2020 , 135, 1	18
637	Gravitational decoupled solutions of axial string cosmology. 2020 , 35, 2050091	11
636	Topological Nambu monopole in two Higgs doublet models. 2020 , 802, 135220	10
635	Parameter estimation in cosmic string spacetime by using the inertial and accelerated detectors. 2020 , 37, 065017	O
634	Preface. 2020 , xiii-xiv	
633	Overview: Main Themes. Key Issues. Reader Guide. 2020 , 1-34	
632	In-OutlEffective Action. Dimensional Regularization. 2020, 37-78	

631	Ih-InŒffective Action. Stress Tensor. Thermal Fields. 2020 , 79-112	
630	Stress-Energy Tensor and Correlators: Zeta-Function Method. 2020 , 113-149	
629	Stress-Energy Tensor and Correlation. Point Separation. 2020 , 150-182	
628	Infrared Behavior of Interacting Quantum Field. 2020 , 185-227	
627	Advanced Field Theory Topics. 2020 , 228-264	
626	Backreaction of Early Universe Quantum Processes. 2020 , 265-314	
625	Metric Correlations at One-Loop: In-In and Large N. 2020 , 317-336	
624	The Einstein[langevin Equation. 2020 , 337-363	
623	Metric Fluctuations in Minkowski Spacetime. 2020 , 364-388	
622	Cosmological Backreaction with Fluctuations. 2020 , 391-409	
621	Structure Formation in the Early Universe. 2020 , 410-422	
620	Black Hole Backreaction and Fluctuations. 2020 , 423-464	
619	Stress-Energy Tensor Fluctuations in de Sitter Space. 2020 , 467-482	
618	Two-Point Metric Perturbations in de Sitter. 2020 , 483-518	
617	Riemann Tensor Correlator in de Sitter. 2020 , 519-539	
616	Epilogue: Linkage with Quantum Gravity. 2020 , 540-549	
615	Index. 2020 , 591-600	
614	Many-body physics with individually controlled Rydberg atoms. 2020 , 16, 132-142	157

613	Performance and science reach of the Probe of Extreme Multimessenger Astrophysics for ultrahigh-energy particles. 2020 , 101,	14
612	Sonic horizons and causality in phase transition dynamics. 2020 , 101,	13
611	Work Statistics across a Quantum Phase Transition. 2020 , 124, 170603	17
610	Accelerating Bianchi type dark energy cosmological model with cosmic string in (f(T)) gravity. 2020 , 365, 1	3
609	Primordial backgrounds of relic gravitons. 2020 , 112, 103774	18
608	Experimentally testing quantum critical dynamics beyond the Kibble Zurek mechanism. 2020, 3,	17
607	Ordering kinetics in a q-state random-bond clock model: Role of vortices and interfaces. 2020 , 101, 032128	
606	Relativistic quantum oscillators in the global monopole spacetime. 2020 , 80, 1	21
605	Persistent current formation in double-ring geometries. 2020 , 53, 115301	4
604	Order parameter dynamics of the non-linear sigma model in the large N limit. 2020 , 93, 1	2
603	Klein-Gordon Oscillator in the Presence of External Fields in a Cosmic Space-Time with a Space-Like Dislocation and Aharonov-Bohm Effect. 2020 , 2020, 1-10	9
602	Observation of string defects in liquid crystal. 2021 , 48, 475-483	
601	Spin-0 scalar particle interacts with scalar potential in the presence of magnetic field and quantum flux under the effects of KKT in 5D cosmic string spacetime. 2021 , 36, 2150004	5
600	Overview of KAGRA: KAGRA science. 2021 , 2021,	5
599	Holographic naturalness and topological phase transitions. 2021 , 18, 2150030	1
598	Application of the inhomogeneous Kibble-Zurek mechanism to quench dynamics in the transition from a Mott insulator to a superfluid in a finite system. 2021 , 103,	1
597	Spin-gapped magnets with weak anisotropies I: Constraints on the phase of the condensate wave function. 2021 , 424, 168361	0
596	Probing axion dark matter with 21 cm fluctuations from minihalos. 2021 , 103,	1

595	Universal Landau-Zener regimes in dynamical topological phase transitions. 2021, 103,	2
594	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search.	17
593	Periodic quenches across the Berezinskii-Kosterlitz-Thouless phase transition. 2021, 3,	1
592	Threshold effects on prediction for proton decay in non-supersymmetric E6 GUT with intermediate trinification symmetry. 2021 , 962, 115239	1
591	Has NANOGrav Found First Evidence for Cosmic Strings?. 2021 , 126, 041305	67
590	Antiferromagnetic half-skyrmions and bimerons at room temperature. 2021 , 590, 74-79	41
589	Ultrafast formation of domain walls of a charge density wave in SmTe3. 2021 , 103,	6
588	Quench dynamics in 1D model with 3rd-nearest-neighbor hoppings*. 2021 , 30, 026402	Ο
587	More axions from strings. 2021 , 10,	39
586	Damped point-vortex model for polar-core spin vortices in a ferromagnetic spin-1 Bose-Einstein condensate. 2021 , 3,	2
585	Topological Defects in Nematic Liquid Crystals: Laboratory of Fundamental Physics. 2021 , 218, 2000752	0
584	Generalized velocity-dependent one-scale model for current-carrying strings. 2021 , 103,	1
583	Vacuum fermionic currents in braneworld models on AdS bulk with a cosmic string. 2021, 2021, 1	3
582	Reverse II ranscription Spin chain reaction of RNA molecule into DNA molecule. 2021 , 1797, 012038	
581	Primordial black holes as a dark matter candidate. 2021 , 48, 043001	92
580	Strong gravitational lensing in a spacetime with topological charge within the Eddington-inspired Born-Infeld gravity. 2021 , 103,	1
579	MeV-GeV Fray telescopes probing gravitino LSP with coexisting axino NLSP as dark matter in the BSM. 2021 , 125, 102506	5
578	Nonadiabatic Phase Transition with Broken Chiral Symmetry. 2021 , 126, 070602	2

577 Sir Thomas Walter Bannerman Kibble. 23 December 1932 June 2016. **2021**, 70, 225-244

576	Topological defects as relics of spontaneous symmetry breaking from black hole physics. 2021 , 2021, 1	5
575	Finite-temperature spectrum at the symmetry-breaking linear to zigzag transition. 2021, 103,	О
574	Multiply charged vortex states of polariton condensates. 2021 , 8, 301	2
573	Thermodynamics of the (R_{mathrm{h}}=ct) Universe: a simplification of cosmic entropy. 2021 , 81, 1	2
572	Controlled creation and decay of singly-quantized vortices in a polar magnetic phase. 2021 , 4,	O
571	Dynamics of a quantum phase transition in the Aubry-Andre Harper model with p-wave superconductivity. 2021 , 103,	5
570	Quantum critical dynamics in a spinor Hubbard model quantum simulator. 2021 , 4,	O
569	A detailed exploration of the EDGES 21cm absorption anomaly and axion-induced cooling. 2021 , 30, 2150041	2
568	Slow quench dynamics in classical systems: kinetic Ising model and zero-range process. 2021 , 2021, 033208	1
567	Heavy dark matter and gravitational waves. 2021 , 103,	1
566	Irreducible cosmic production of relic vortons. 2021 , 2021, 098	1
565	Vector dark matter production from inflation with symmetry breaking. 2021, 103,	6
564	Effects of Coulomb- and Cornell-types potential on a spin-0 scalar particle under a magnetic field and quantum flux in topological defects space-time. 2021 , 133, 50002	1
563	Clustering of local extrema in Planck CMB maps. 2021 , 503, 815-829	1
562	Exact bounds for dynamical critical exponents of transverse-field Ising chains with a correlated disorder. 2021 , 435, 168483	O
561	Topological defects formation with momentum dissipation. 2021 , 2021, 1	2
560	Metastable strings and dumbbells in supersymmetric hybrid inflation. 2021 , 2021, 1	4

559	Axion miniclusters made easy. 2021 , 103,	6
558	Spinning black holes as cosmic string factories. 2021 , 103,	2
557	A time-domain phase diagram of metastable states in a charge ordered quantum material. 2021 , 12, 2323	5
556	Combined Defects in Ferroelectric Nematics. 2021 , 132, 641-644	O
555	Non-Hermitian Kibble-Zurek Mechanism with Tunable Complexity in Single-Photon Interferometry. 2021 , 2,	6
554	Dimensionality-Induced Change in Topological Order in Multiferroic Oxide Superlattices. 2021 , 126, 157601	3
553	Universal scaling of work statistics in conformal field theory models. 2021 , 103,	О
552	Path-Dependent Supercooling of the ^{3}He Superfluid A-B Transition. 2021 , 126, 215301	2
551	Space fabric wrinkles: history of observational searches for exotic structures in the Universe. 2021 , 44, 397-451	1
550	Approach to scaling in axion string networks. 2021 , 103,	8
549	Comparison of cosmic string and superstring models to NANOGrav 12.5-year results. 2021, 103,	12
548	Cosmological model admitting conformal motion. 2021 , 1913, 012107	
547	Maxwell quasinormal modes on a global monopole Schwarzschild-anti-de Sitter black hole with Robin boundary conditions. 2021 , 81, 1	1
546	CMB birefringence from ultralight-axion string networks. 2021 , 2021, 055	3
545	Test of global monopole based alternative dark matter model from gravitational lensing studies.	1
544	DuffinKemmerBetiau particles in the presence of the spiral dislocation. 2021 , 36, 2150100	1
543	Defect production due to time-dependent coupling to environment in the Lindblad equation. 2021 , 103,	1
542	New cosmological bounds on hot relics: axions and neutrinos. 2021 , 505, 2703-2711	6

Chiral superfluid phase of liquid He3 in planar aerogels. **2021**, 103,

540	Testing hilltop supernatural inflation with gravitational waves. 2021 , 2021, 056	1
539	Conformal bridge in a cosmic string background. 2021 , 2021, 1	1
538	Gravitational wave complementarity and impact of NANOGrav data on gravitational leptogenesis. 2021 , 2021, 1	19
537	Measuring the primordial gravitational wave background in the presence of other stochastic signals. 2021 , 2021, 052	3
536	Comparative study of transition FLRW and axially symmetric cosmological structures with domain walls in $f(R, T)$ gravity. 2021 , 99, 378-386	2
535	Manipulation of m = 1 topological disclination line core structure. 2021 , 1234, 130162	2
534	Topological defects inspired static spherically symmetric solution. 2021 , 71, 693-698	
533	Effects of oscillating spacetime metric background on a complex scalar field and formation of topological vortices. 2021 , 103,	2
532	Stringy-running-vacuum-model inflation: from primordial gravitational waves and stiff axion matter to dynamical dark energy. 2021 , 230, 2077-2110	9
531	Self-Organization in Cold Atoms Mediated by Diffractive Coupling. 2021, 9, 35	2
530	Evolution of topological defects at two sequential phase transitions of Nd2SrFe2O7. 2021 , 3,	2
529	Universal statistics of vortices in a newborn holographic superconductor: beyond the Kibble-Zurek mechanism. 2021 , 2021, 1	5
528	Vector boson oscillator in the spiral dislocation spacetime. 2021 , 57, 1	3
527	Impact of a midband gravitational wave experiment on detectability of cosmological stochastic gravitational wave backgrounds. 2021 , 103,	4
526	Lattice gauge theory and dynamical quantum phase transitions using noisy intermediate-scale quantum devices. 2021 , 103,	3
525	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run. 2021 , 126, 241102	21
524	Progress on cosmological magnetic fields. 2021 , 84,	22

523	Observing invisible axions with gravitational waves. 2021 , 2021, 034	15
522	Axion strings are superconducting. 2021 , 2021, 1	2
521	Optical equations for null strings. 2021 , 103,	O
520	Some remarks about emission channels of non-Abelian vortices. 2021 , 103,	
519	Nonadiabatic dynamics across a first-order quantum phase transition: Quantized bubble nucleation. 2021 , 103,	О
518	String cosmological model in bianchi type IX inflationary universe with flat potential. 2021 , 785, 012006	
517	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo® third observing run. 2021 , 104,	33
516	The Problem of Flatness of the Universe in the Uncertainty-mediated Inflationary Model. 2021 , 27, 302-305	
515	Bragg scattering of an ultracold dipolar gas across the phase transition from Bose-Einstein condensate to supersolid in the free-particle regime. 2021 , 104,	2
514	Domain walls and CP violation with left right supersymmetry: implications for leptogenesis and electron EDM. 2021 , 2021, 1	O
513	Phases fluctuations and anomalous finite-time scaling in an externally applied field on finite-sized lattices. 2021 , 33,	1
512	Vortex precession and exchange in a Bose-Einstein condensate. 2021 , 2021, 1	1
511	Winding number dependence of quantum vortex energies at one-loop. 2021 , 104,	О
510	Exact solutions of the generalized Klein G ordon oscillator in a global monopole space-time. 2021 , 136, 1	6
509	Dynamics and correlations at a quantum phase transition beyond Kibble-Zurek. 2021 , 104,	1
508	Remarks on Some Results Related to the Thermal Casimir Effect in Einstein and Closed Friedmann Universes with a Cosmic String. 2021 , 7, 232	O
507	Relativistic Vector Bosons with Non-minimal Coupling in the Spinning Cosmic String Spacetime. 2021 , 62, 1	3
506	Kibble-Zurek mechanism in polariton graphene. 2021 , 104,	O

505	Phases fluctuations, self-similarity breaking and anomalous scalings in driven nonequilibrium critical phenomena. 2021 , 33,	1
504	Nonlinear gravitational-wave memory from cusps and kinks on cosmic strings. 2021 , 38, 165004	O
503	Simulations of axion minihalos. 2021 , 104,	7
502	Baryogenesis from ultralight primordial black holes and strong gravitational waves from cosmic strings. 2021 , 2021, 021	12
501	Induced vacuum magnetic field in the cosmic string background. 2021, 104,	1
500	Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. 2021 , 7, 322	1
499	Driven quantum spin chain in the presence of noise: Anti-Kibble-Zurek behavior. 2021, 104,	0
498	Polarimetric signatures of the photon ring of a black hole that is pierced by a cosmic axion string. 2021 , 2021, 1	1
497	Scaling solutions of wiggly cosmic strings. 2021 , 104,	1
496	Implications of gravitational waves for supersymmetric grand unification. 2021, 104,	3
495	Self-similar curve shortening flow in hyperbolic 2-space.	0
494	Distribution of kinks in an Ising ferromagnet after annealing and the generalized Kibble-Zurek mechanism. 2021 , 3,	2
493	Monopole-antimonopole pair production in primordial magnetic fields. 2021 , 104,	2
492	Boundary effects on classical liquid density fluctuations. 2021 , 104,	O
491	Axion quasiparticles for axion dark matter detection. 2021 , 2021, 066	8
490	Quantum dynamics of photon in rainbow gravity. 2021 , 431, 168556	2
489	Simulated quantum annealing as a simulator of nonequilibrium quantum dynamics. 2021, 104,	1
488	Unveiling the gravitational universe at FHz frequencies. 1	11

487	Non-invertible global symmetries and completeness of the spectrum. 2021 , 2021, 1	18
486	Science with the TianQin Observatory: Preliminary results on testing the no-hair theorem with extreme mass ratio inspirals. 2021 , 104,	2
485	Roadmap on Atomtronics: State of the art and perspective. 2021 , 3, 039201	13
484	Suppressing the Kibble-Zurek Mechanism by a Symmetry-Violating Bias. 2021 , 127, 115702	2
483	P not PQ. 2021 , 2021, 1	2
482	High resolution calibration of the cosmic strings velocity dependent one-scale model. 2021 , 104,	1
481	Defect Saturation in a Rapidly Quenched Bose Gas. 2021 , 127, 115701	3
480	Rising Above the Quantum Noise. 14,	
479	Transient hexagonal structures in sheared emulsions of isotropic inclusions on smectic bubbles in microgravity conditions. 2021 , 11, 19144	0
478	Axion Mass from Magnetic Monopole Loops. 2021 , 127, 131602	2
477	Toward nonthermal control of excited quantum materials: framework and investigations by ultrafast electron scattering and imaging. 2021 , 22, 1-59	
477 476		1
	ultrafast electron scattering and imaging. 2021 , 22, 1-59 Inverted harmonic oscillator dynamics of the nonequilibrium phase transition in the Dicke model.	1
476	ultrafast electron scattering and imaging. 2021 , 22, 1-59 Inverted harmonic oscillator dynamics of the nonequilibrium phase transition in the Dicke model. 2021 , 104, 034132	
476 475	Inverted harmonic oscillator dynamics of the nonequilibrium phase transition in the Dicke model. 2021, 104, 034132 Scattering cross-section in gravitating cosmic string spacetimes. 2021, 38, 205006 Instability of a black hole with f (R) global monopole under extended uncertainty principle *. 2021,	1
476 475 474	Inverted harmonic oscillator dynamics of the nonequilibrium phase transition in the Dicke model. 2021, 104, 034132 Scattering cross-section in gravitating cosmic string spacetimes. 2021, 38, 205006 Instability of a black hole with f (R) global monopole under extended uncertainty principle *. 2021, 45, 105102 Behaviour of viscous fluid in string cosmological models in the framework of Lyra geometry. 2021,	1 O
476 475 474 473	Inverted harmonic oscillator dynamics of the nonequilibrium phase transition in the Dicke model. 2021, 104, 034132 Scattering cross-section in gravitating cosmic string spacetimes. 2021, 38, 205006 Instability of a black hole with f (R) global monopole under extended uncertainty principle *. 2021, 45, 105102 Behaviour of viscous fluid in string cosmological models in the framework of Lyra geometry. 2021, 88, 101611	1 0

Light-Induced Charge Density Wave in LaTe3. **2021**, 149-169

468	Dark matter in minimal dimensional transmutation with multicritical-point principle. 2021 , 2021, 1	1
467	Nonequilibrium dynamics of spontaneous symmetry breaking into a hidden state of charge-density wave. 2021 , 12, 566	12
466	Dynamics of Complex Order Parameter After Photoexcitation. 2021 , 105-123	
465	Experimental verification of anti K ibble-Zurek behavior in a quantum system under a noisy control field. 2021 , 103,	3
464	Old and New Processes of Vorton Formation. 2000 , 71-78	3
463	Inflationary Cosmology. 2002 , 351-391	42
462	Encyclopedia of Complexity and Systems Science. 2009 , 9679-9705	1
461	The Production of Magnetic Monopoles in the Very Early Universe. 1980 , 569-582	1
460	Phase Transitions in the Early Universe and Defect Formation. 1995 , 1-26	1
459	Monopoles and Gauge Theories. 1983 , 1-15	2
458	Testing Guts: Where do Monopoles Fit?. 1983 , 17-40	1
457	Reducing the Monopole Abundance. 1983 , 81-96	2
456	Emergence of an Interband Phase Difference and Its Consequences in Multiband Superconductors. 2017 , 185-218	1
455	Particle Physics Approach to Dark Matter. 2007 , 3-34	9
454	Production of Topological Defects at the End of Inflation. 2008 , 359-392	14
453	Non-equilibrium Dynamics of Quantum Systems: Order Parameter Evolution, Defect Generation, and Qubit Transfer. 2010 , 21-56	18
452	Adiabatic Perturbation Theory: From LandauZener Problem to Quenching Through a Quantum Critical Point. 2010 , 75-114	18

451	Quantum Fluids of Exciton-Polaritons and Ultracold Atoms. 2013 , 1-18	1
450	Dynamical Evolution and Particle Production in Relativistic Nuclear Collisions. 1990 , 81-132	2
449	Self-Interaction Force for Charged Particle in the Space-Time of Supermassive Cosmic String. 1996 , 97-98	2
448	Topological Defects in Condensed Matter Physics. 2001 , 189-237	1
447	Astrophysics at the Highest Energy Frontiers. 2003 , 351-400	1
446	Topological Defect Behavior in a Quenched Nematic Liquid Crystal. 2001 , 141-165	1
445	Non-Equilibrium Phase Transitions in Condensed Matter and Cosmology: Spinodal Decomposition, Condensates and Defects. 2000 , 139-169	4
444	Defect Formation Through Boson Condensation in Quantum Field Theory. 2000 , 171-191	2
443	Dynamics of Nambu monopole in two Higgs doublet models. Cosmological Monopole Collider. 2020 , 2020, 1	9
442	First-order electroweak phase transition in a complex singlet model with Z3 symmetry. 2020 , 2020, 1	13
441	Electroweak-symmetric dark monopoles from preheating. 2020 , 2020, 1	7
440	The electroweak phase transition: a collider target. 2020 , 2020, 1	27
439	Semiclassical and Stochastic Gravity: Quantum Field Effects on Curved Spacetime. 2020,	2
438	High order correction terms for the peak-peak correlation function in nearly-Gaussian models. 2006 , 457, 385-391	2
437	Recovering the Primordial Density Fluctuations: A Comparison of Methods. 1999 , 515, 471-486	20
436	Constraining Primordial Non-Gaussianity with the Abundance of High-Redshift Clusters. 2000 , 532, 1-16	59
435	Subdegree-Scale Microwave Anisotropies from Cosmic Defects. 1996 , 473, L5-L8	25
434	Coherent gravitational waveforms and memory from cosmic string loops. 2020 , 37, 204001	3

433	Searching for MHz gravitational waves from harmonic sources. 2020 , 37, 205006	5
432	Probing primordial stochastic gravitational wave background with multi-band astrophysical foreground cleaning. 2020 , 37, 195020	7
431	The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. 2020 , 37, 215011	40
430	Defect generation and dynamics during quenching in finite size homogeneous ion chains. 2020 , 22, 073044	3
429	Logical gates embedding in artificial spin ice. 2020 , 22, 103052	10
428	Topological eternal hilltop inflation and the swampland criteria. 2020 , 2020, 015-015	5
427	Probing cosmic strings with gravitational-wave fringe. 2020 , 2020, 068-068	7
426	Post-inflationary axion isocurvature perturbations facing CMB and large-scale structure. 2020 , 2020, 046-046	3
425	Impact of the small-scale structure on the Stochastic Background of Gravitational Waves from cosmic strings. 2020 , 2020, 050-050	5
424	Helium Three. 2001,	15
423	Searching for gravitational-wave bursts from cosmic string cusps with the Parkes Pulsar Timing Array. 2020 , 501, 701-712	7
422	Inferring the lensing rate of LIGOVirgo sources from the stochastic gravitational wave	
	background. 2021 , 501, 2451-2466	15
421	Zn solitons in intertwined topological phases. 2020 , 102,	5
421 420		
	Zn solitons in intertwined topological phases. 2020 , 102,	5
420	Zn solitons in intertwined topological phases. 2020 , 102, Baryon and lepton number violation from gravitational waves. 2020 , 102, Exploring Inhomogeneous Kibble-Zurek Mechanism in a Spin-Orbit Coupled Bose-Einstein	5
420 419	Zn solitons in intertwined topological phases. 2020 , 102, Baryon and lepton number violation from gravitational waves. 2020 , 102, Exploring Inhomogeneous Kibble-Zurek Mechanism in a Spin-Orbit Coupled Bose-Einstein Condensate. 2020 , 125, 260603	5 8 2

415	Defect-free plastic deformation through dimensionality reduction and self-annihilation of topological defects in crystalline solids. 2020 , 2,	1
414	Activating critical exponent spectra with a slow drive. 2020 , 2,	10
413	Dynamic Kibble-Zurek scaling framework for open dissipative many-body systems crossing quantum transitions. 2020 , 2,	12
412	Kibble-Zurek dynamics in a trapped ultracold Bose gas. 2020 , 2,	4
411	Probing the universality of topological defect formation in a quantum annealer: Kibble-Zurek mechanism and beyond. 2020 , 2,	27
410	Quenched dynamics of artificial colloidal spin ice. 2020 , 2,	2
409	Phase diagram of solitons in the polar phase of a spin-1 Bose-Einstein condensate. 2020 , 2,	5
408	Programmable Quantum Annealing Architectures with Ising Quantum Wires. 2020, 1,	7
407	Cosmological Inflation Based on the Uncertainty-Mediated Dark Energy. 2020 , 26, 259-264	1
406	Massless Cosmic Strings in Spacetimes with Global Parabolic Isometries. 2020 , 51, 735-738	О
405	Extracting Information from Non Adiabatic Dynamics: Excited Symmetric States of the Bose-Hubbard Model. 2011 , 120, A-178-A-184	1
404	30 W, sub-kHz frequency-locked laser at 532 nm. 2018 , 26, 33756-33763	4
403	Symmetry Breaking and Topological Defect Formation in Ion Coulomb Crystals. 2013,	1
402	Magnetic Field of Cosmic Strings in the Early Universe. 2013 , 58, 398-402	5
401	Kibble Z urek mechanism in the Ising Field Theory. 2020 , 9,	2
400	An introduction to spontaneous symmetry breaking.	20
399	Gravitational properties of cosmic strings. 2001 , 171, 1033	9
398	(1111)2 00 7 , 177, 1017	2

397	Topological defects in the abelian Higgs model. 2015 , 35, 1933-1968	1
396	(\$1+1\$)- 13372016 , 188, 85-120	3
395	On the Thermodynamical Black Hole Stability in the Space-Time of a Global Monopole in <i>f</i>(<i>R</i>)-Gravity. 2019 , 05, 587-611	2
394	Five Dimensional Bianchi Type-I String Cosmological Models in Lyra Manifold. 2012 , 03, 180-183	8
393	Kibble durek Mechanism in a Dissipative Transverse Ising Chain. 2020 , 89, 104002	3
392	Co-revolving topological defects in a nematic liquid crystal. 2021 , 17, 9616-9623	O
391	Cavity QED with quantum gases: new paradigms in many-body physics. 2021 , 70, 1-153	15
390	One-loop corrections to the Higgs boson invisible decay in the dark doublet phase of the N2HDM. 2021 , 2021, 1	O
389	Holographic topological defects and local gauge symmetry: clusters of strongly coupled equal-sign vortices. 2021 , 2021, 1	1
388	Colloquium: Nonthermal pathways to ultrafast control in quantum materials. 2021 , 93,	20
387	Photon interactions with superconducting topological defects. 2021 , 823, 136730	0
386	Neutrino emission and initial evolution of axionic quark nuggets. 2021 , 104,	1
385	Internal excitations of global vortices. 2021 , 2021, 047	0
384	Universal dynamics of the superradiant phase transition in the anisotropic quantum Rabi model. 2021 , 104,	O
383	Novel way to construct spatially localized finite energy structures. 2021 , 136, 1	0
382	Shards of Broken Symmetry. 2000 , 77-103	
381	Spontaneous generation of flux in a Josephson junction loop. 2001 , 443-448	
380	The Curious Adventure of the Ultrahigh Energy Cosmic Rays. 2001 , 485-503	

(2001-2001)

Formation of Primordial Black Holes by Multi-Winding String Collapse. 2001, 297-305 379 378 Transport properties. 2001, 275-311 Basic properties. 2001, 463-480 377 Solutions of 4He in 3He. 2001, 434-447 376 Crystal shapes and defects. 2001, 873-916 375 Magnetic resonance properties. 2001, 567-612 374 Surfaces and interfaces. 2001, 153-175 373 Motion of particles. 2001, 106-132 372 Acoustic and temperature waves. 2001, 253-274 371 370 Basic properties. 2001, 206-252 Fermi liquid in equilibrium. 2001, 38-54 369 368 Collective modes. 2001, 613-648 367 Fermi gas. 2001, 17-37 Low-dimensional structures. 2001, 917-969 366 Paramagnetism. 2001, 822-831 365 364 Theory of spin-polarized solutions. 2001, 328-339 363 Superfluidity. 2001, 533-566 Rotating superfluid. 2001, 716-754 362

361	Further theories. 2001 , 133-152
360	Low-dimensional structures. 2001 , 372-409
359	Hydrodynamics. 2001 , 649-669
358	Spin-polarized liquid. 2001 , 176-204
357	Introduction. 2001 , 1-15
356	Properties of spin-polarized solutions. 2001 , 340-371
355	Neutron and photon scattering. 2001, 312-327
354	Interfaces. 2001 , 410-433
353	Transport properties. 2001 , 55-81
352	Surfaces and interfaces. 2001 , 670-715
351	Antiferromagnetism in the b.c.c. phase. 2001 , 832-863
350	Quantum crystal. 2001 , 757-789
349	Multiple phases. 2001 , 509-532
348	Lattice dynamics. 2001 , 790-821
347	Search for superfluidity in mixtures. 2001 , 448-460
346	Ferromagnetism in the h.c.p. phase. 2001 , 864-872
345	Collective modes. 2001 , 82-105
344	BCS superfluids. 2001 , 481-508

343	References. 2001,	
342	What Can Superconductivity Learn from Quantized Vorticity in 3He Superfluids?. 2002 , 21-48	
341	Nucleation of Vortices in Superfluid 3He-B by Rapid Thermal Quench. 2002 , 49-64	
340	Liquid 4He and its Superfluidity. 2003 , 37-82	
339	An Introduction to Standard Cosmology. 7-51	
338	Quantum Fields with Topological Defects. 2006 , 221-229	
337	Spontaneous Vortex Formation During the Growth of a Bose-Einstein Condensate. 2007,	
336	Bose-Einstein condensation and superfluid turbulence. 2008 , 139-175	
335	Stability and Metastability in Nematic Glasses: a Computational Study. 2010 , 109-124	
334	Defect Production Due to Quenching Through a Multicritical Point and Along a Gapless Line. 2010 , 57-73	1
333	Quench Dynamics of Quantum and Classical Ising Chains: From the Viewpoint of the Kibble durek Mechanism. 2010 , 115-143	
332	Phase Slip Phenomena One and Two Dimensional Superconducting Ring. 2011 , 187-195	
331	Accretion and radiation in black hole with a global monopole. 2011 , 60, 090401	2
330	Search for cosmic strings using optical and radio astronomy methods. 2011 , 181, 1109	
329	Vortices in Spontaneous BoseEinstein Condensates of ExcitonPolaritons. 2012, 67-84	
328	Onset of Magnetic Monopole-Antimonopole Condensation. 2012 , 2012, 1-7	
327	Encyclopedia of Complexity and Systems Science. 2013 , 1-38	
326	Quantized Vortices and Quantum Turbulence. 2013 , 283-299	

325	Detectability and Parameter Estimation of Gravitational Waves from Cosmic String with Ground-Based Detectors. 2014 ,
324	GEOMETRIZATION OF GAUGE FIELDS. 1980 , 177-186
323	Theoretical Review of Monopole Bounds. 1985 , 641-663
322	Cosmological Phase Transitions. 1987 , 307-327
321	Cosmology and Particle Physics. 1988 , 19-113
320	Cosmic Strings and Superconducting Cosmic Strings. 1990 , 99-126
319	Cosmic Magnetic Fields and Superconducting Strings. 1990 , 507-512
318	The Inflaton Sector of Extended Inflation. 1991 , 153-165
317	Extended Inflationary Cosmology: A Primer. 1991 , 141-152
316	The Production of Strings And Monopoles at Phase Transitions. 1995 , 139-182
315	Cosmological Experiments in Liquid 4He - Problems and Prospects. 1995 , 379-387
314	Cosmological Experiments in Superfluids and Superconductors. 1995 , 349-378
313	Fluctuations in the Cosmic Microwave Background Radiation. 1998, 331-360
312	MEASUREMENTS ON THE GENERATION AND SUBSEQUENT DECAY OF VORTICITY IN SUPERPLUID 3He-B. 1998 ,
311	Probing quantum statistical mechanics with Bose gases. 1999 , 129-134
310	Educational Materials. 2015 , 273-281
309	Conclusions and Suggestions for Future Research. 2015 , 285-290
308	Optically induced nanoscale networks of topological magnetic defects. 2016,

307	Introduction to Defects. 2016 , 1-10	
306	Spontaneous Currents in a Bosonic Ring. 2016 , 130, 569-572	
305	Stability Longevity and All That: False Vacua and Topological Defects. 2017, 479-494	
304	Outlook. 2018 , 231-245	
303	Do Two Symmetry-Breaking Transitions in Photosynthetic Light Harvesting Complexes (PLHC) Form One, Two or More Kibble durek (KZ) Topological Defect(s)?. 2018 , 345-363	
302	On an Exact Cylindrically Symmetric Solution in a Born-Infeld Type Theory of Gravity. 2019 , 05, 711-718	2
301	Biological membranes: The laboratory of fundamental physics. 2019 , 2, 038-040	
300	Universal Relaxation in Quantum Systems. 2020 , 111-130	
299	Kibble-Zurek mechanism for a one-dimensional incarnation of a deconfined quantum critical point. 2020 , 2,	2
298	Decoherent quench dynamics across quantum phase transitions. 2021 , 11,	O
297	Non-equilibrium dynamics of the open quantum O(n)-model with non-Markovian noise: exact results. 2021 , 2021, 103105	1
296	On the Dynamics of Phase Transitions in Relativistic Scalar Field Theory. 2021 , 65, 957-961	
295	Gravitational waves from first-order phase transitions in Majoron models of neutrino mass. 2021 , 2021, 1	4
294	Monopole Compatibility with Cosmology. 1983 , 71-80	
293	Grand Unification and Cosmology. 1983 , 65-79	
292	Vortex Dynamics in a Compact Kardar-Parisi-Zhang System. 2020 , 125, 265701	1
291	Electric quadrupole moment of a neutral non-relativistic particle in the presence of screw dislocation. 2020 , 132, 60005	3
290	Neutrino phenomenology in the flavored NMSSM without domain wall problems. 2020 , 102,	1

289	Precision protection through cosmic string in quantum metrology. 2020 , 80, 1	1
288	Static and Stationary Solutions in Weak-Field Gravity. 2021 , 55-96	
287	The Gravitational-wave physics II: Progress. 2021 , 64, 1	10
286	Topology of Orientational Defects in Confined Smectic Liquid Crystals. 2021 , 127, 198001	3
285	Probing leptogenesis and pre-BBN universe with gravitational waves spectral shapes. 2021 , 2021, 1	0
284	Quantum turbulence in superfluid helium.	
283	Quantum quench, large N, and symmetry restoration. 2020 , 2020, 1	1
282	Pati-Salam axion. 2020 , 2020, 1	2
281	Quantum field theory for nonequilibrium phase transitions. 2006 , 277-291	
280	Formation of Vortex-Antivortex Pairs. 2000 , 215-229	
279	Physics of the Early Universe: Baryogenesis; Defects; Initial Conditions. 2000 , 439-494	
278	Topological defects in the early universe. 1991 , 47-101	
277	Observing cosmic strings through their lensing properties. 1995 , 145-148	
276	Coherent splitting of two-dimensional Bose gases in magnetic potentials. 2020 , 22, 103040	1
275	A measurable physical theory of hyper-correlations beyond quantum mechanics. 2021 , 96, 015006	
274	Gravitational wave spectrum from kinks on infinite cosmic strings with Y-junctions. 2020 , 2020, 039-039	1
273	Scalar tachyonic instabilities in gravitational backgrounds: Existence and growth rate. 2020 , 102,	О
272	Dynamic formation of quasicondensate and spontaneous vortices in a strongly interacting Fermi gas. 2021 , 3,	1

271	Few strongly interacting fermions of different mass driven in the vicinity of a critical point. 2021 , 104,	
270	Inflation, phase transitions and the cosmological constant. 2021 , 53, 1	O
269	Higher Dimensional Bianchi Type-I Cosmological Models With Massive String in General Relativity. 2021 , 8,	О
268	Cosmic axion force. 2021 , 104,	2
267	Relativistic Quantum Motion of an Electron in Spinning Cosmic String Spacetime in the Presence of Uniform Magnetic Field and Aharonov-Bohm Potential. 2021 , 2021, 1-15	0
266	Observation of Many-Body Quantum Phase Transitions beyond the Kibble-Zurek Mechanism. 2021 , 127, 200601	О
265	Effect of high harmonic loops on gravitational wave bounds from cosmic strings. 2021, 104,	
264	Stochastic gravitational-wave background from metastable cosmic strings. 2021 , 2021, 006	2
263	Stochastic Gravitational Wave Backgrounds of Cosmological Origin. 2021 , 1-54	
262	Machine learning of phase transitions in nonlinear polariton lattices. 2022 , 5,	O
261	Counterdiabatic control in the impulse regime. 2022 , 105,	2
260	Out-of-equilibrium dynamics of the XY spin chain from form factor expansion. 2022 , 12,	O
259	Gravitational waves from melting cosmic strings. 2022 , 2022, 057	2
258	Formation and Evolution of Wakes in the Spacetime Generated by a Cosmic String in <i>f</i>(<i>R</i>) Theory of Gravity. 2022 , 08, 85-96	
257	Science with the TianQin Observatory: Preliminary results on stochastic gravitational-wave background. 2022 , 105,	3
256	Skyrmionics in correlated oxides. 2021 , 46, 1053-1062	1
255	PBH Formation from Spherically Symmetric Hydrodynamical Perturbations: A Review. 2022 , 8, 66	4
254	Dynamics, symmetries, anomaly and vortices in a rotating cosmic string background. 2022 , 2022, 1	1

253	Imprint of early dark energy in stochastic gravitational wave background. 2022, 105,	2
252	Axion string signatures: a cosmological plasma collider. 2022 , 2022, 1	1
251	Kibble mechanism for electroweak magnetic monopoles and magnetic fields. 2022 , 2022, 1	
250	Influence of a nonuniform thermal quench and circular polarized radiation on spontaneous current generation in superconducting rings. 2022 , 105,	Ο
249	Work statistics across a quantum critical surface 2022 , 105, 024101	Ο
248	Search for Relativistic Magnetic Monopoles with Eight Years of IceCube Data 2022 , 128, 051101	2
247	Non-commutativity and non-inertial effects on a scalar field in a cosmic string space-time. Part 1: Klein-Gordon oscillator	1
246	Symmetry, dynamics and strings: a centennial issue in honor of Yoichiro Nambu. 1	
245	Challenges and opportunities of gravitational-wave searches at MHz to GHz frequencies. 2021, 24, 1	12
244	Prospects of discovering subsolar primordial black holes using the stochastic gravitational wave background from third-generation detectors. 2022 , 510, 6218-6224	4
243	Quantum gases in optical boxes. 2021 , 17, 1334-1341	4
242	Static solution of cylindrical symmetric metric in f (R) gravity. 2022 ,	
241	Quantum gravity phenomenology at the dawn of the multi-messenger erall review. 2022, 103948	10
240	A measurement of the cosmic expansion within our lifetime. 2022 , 43, 035601	1
239	Axion dark matter: What is it and why now?. 2022 , 8, eabj3618	4
238	Radiation from global topological strings using adaptive mesh refinement: Methodology and massless modes. 2022 , 105,	Ο
237	Charged and CP -violating kink solutions in the two-Higgs-doublet model. 2022 , 105,	
236	Milli-magnetic monopole dark matter and the survival of galactic magnetic fields. 2022 , 2022, 1	

235	Primordial black hole formation with full numerical relativity. 2022 , 2022, 029	O
234	Gravitational waves from global cosmic strings and cosmic archaeology. 2022 , 2022, 1	1
233	Simulations of axionlike particles in the postinflationary scenario. 2022, 105,	O
232	Measurement of the order parameter and its spatial fluctuations across Bose-Einstein condensation. 2022 , 105,	
231	Floquet dynamical quantum phase transitions under synchronized periodic driving. 2022, 105,	O
230	Dynamics for the Haldane phase in the bilinear-biquadratic model. 2022 , 105,	
229	Interaction of cosmological domain walls with large classical objects, like planets and satellites, and the flyby anomaly. 2022 , 2022, 1	О
228	Discrete R -symmetry, various energy scales, and gravitational waves. 2022, 105,	O
227	Nonequilibrium Bose-Einstein condensation. 2022 , 105,	О
226	Manipulation of mechanically nanopatterned line defect assemblies in plane-parallel nematic liquid crystals. 1-25	1
225	Correlations at PT-Symmetric Quantum Critical Point 2022, 128, 146804	1
224	Universal Early Coarsening of Quenched Bose Gases 2022 , 128, 135701	O
223	High Quality QCD Axion at Gravitational Wave Observatories 2022, 128, 141101	1
222	Parameter estimation with gravitational waves. 2022 , 94,	1
221	Entanglement Propagation in Thermalization of an Isolated Quantum System. 2022, 91,	O
220	Scaling theory of the Kosterlitz-Thouless phase transition. 2021 , 104,	O
219	Microscopic characterization of Ising conformal field theory in Rydberg chains. 2021, 104,	О
218	Low-temperature domain-wall freezing and nonequilibrium dynamics in the transverse-field Ising model material CoNb2O6. 2021 , 104,	O

217	Thermodynamics in expanding shell-shaped Bose-Einstein condensates. 2021, 104,	2
216	Cosmic strings in generalized hybrid metric-Palatini gravity. 2021 , 104,	O
215	Klein Cordon oscillator in a global monopole space Time with rainbow gravity. 2022, 137, 1	2
214	Black hole production of monopoles in the early universe. 2021 , 2021, 1	1
213	Modulation of pulse profile as a signal for phase transitions in a pulsar core.	
212	Chirally factorised truncated conformal space approach. 2022 , 108376	Ο
211	Null cosmic strings: Scattering by black holes, optics, and spacetime content. 2022 , 105,	0
21 0	Vacuum polarization of Dirac fermions in the cosmological de Sitter global monopole spacetime. 2022 , 105,	1
209	Generalized Maxwell⊞iggs vortices in models with enhanced symmetry. 2022 , 82, 1	
208	Gravitational shine of dark domain walls. 2022 , 2022, 028	1
208	Gravitational shine of dark domain walls. 2022, 2022, 028 Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022,	1
	Topological fine structure of smectic grain boundaries and tetratic disclination lines within	
207	Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022 ,	
207	Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022, Quench dynamics and defects formation in the Ising chain in a transverse magnetic field. 2022, 95, 1	1
207 206 205	Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022, Quench dynamics and defects formation in the Ising chain in a transverse magnetic field. 2022, 95, 1 Classical Simulation and Theory of Quantum Annealing in a Thermal Environment 2022, 128, 170502	2
207 206 205	Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022, Quench dynamics and defects formation in the Ising chain in a transverse magnetic field. 2022, 95, 1 Classical Simulation and Theory of Quantum Annealing in a Thermal Environment 2022, 128, 170502 Kink-antikink scattering in a quantum vacuum. 2022, 2022,	1 2 0
207 206 205 204 203	Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals 2022, Quench dynamics and defects formation in the Ising chain in a transverse magnetic field. 2022, 95, 1 Classical Simulation and Theory of Quantum Annealing in a Thermal Environment 2022, 128, 170502 Kink-antikink scattering in a quantum vacuum. 2022, 2022, Dark unification: A UV-complete theory of asymmetric dark matter. 2022, 105,	1 2 0

199	Collapsing domain walls beyond Z2. 2022 , 105,	0
198	Relations among topological solitons. 2022 , 105,	О
197	Holographic topological defects in a ring: role of diverse boundary conditions. 2022 , 2022, 1	Ο
196	Benchmarking quantum annealing dynamics: The spin-vector Langevin model. 2022, 4,	1
195	Bulk and boundary quantum phase transitions in a square Rydberg atom array. 2022, 105,	2
194	Ultracold Atomic Gases: Novel States of Matter. 2022, 527-559	
193	Relativistic motions of spin-zero quantum oscillator field in a global monopole space-time with external potential and AB-effect. 2022 , 12,	2
192	Scaling and adiabaticity in a rapidly expanding gluon plasma. 2022 , 2022,	Ο
191	Monopoles from an Atmospheric Fixed Target Experiment. 2022 , 128,	0
190	One-loop tunneling-induced energetics. 2022 , 105,	О
189	Constraining the cosmic strings gravitational wave spectra in no-scale inflation with viable gravitino dark matter and nonthermal leptogenesis. 2022 , 105,	0
188	The electroweak horizon problem. 2022 , 101057	О
187	Gravitational waves from an inflation triggered first-order phase transition. 2022, 2022,	0
186	Out-of-equilibrium dynamics arising from slow round-trip variations of Hamiltonian parameters across quantum and classical critical points. 2022 , 105,	Ο
185	Dynamical behavior of the C -metric: Charged scalar fields, quasinormal modes, and superradiance. 2022 , 105,	0
184	Testing super heavy dark matter from primordial black holes with gravitational waves. 2022 , 2022, 017	O
183	Exploring neutrinos from proton decays catalyzed by GUT monopoles in the Sun. 2022, 2022, 003	
182	Five Dimensional Bianchi Type-I Anisotropic Cloud String Cosmological Model With Electromagnetic Field in Saez-Ballester Theory. 9,	O

Love might be a second-order phase transition. **2022**, 445, 128245

180	Stochastic Gravitational Wave Backgrounds of Cosmological Origin. 2022 , 1041-1094	
179	Periodicities in a multiply connected geometry from quenched dynamics. 2022, 4,	0
178	Route towards stable homochiral topological textures in A -type antiferromagnets. 2022 , 105,	
177	Quasinormal modes and Hawking radiation sparsity of GUP corrected black holes in bumblebee gravity with topological defects. 2022 , 2022, 029	1
176	Kinks in massive non-linear S1B1-Sigma models. 2022 , 133444	O
175	Distinguishing a Slowly Accelerating Black Hole by Differential Time Delays of Images. 2022 , 129,	0
174	Kibble-Zurek mechanism for nonequilibrium phase transitions in driven systems with quenched disorder. 2022 , 5,	O
173	Quantum criticality using a superconducting quantum processor. 2022 , 106,	1
172	Probing high scale Dirac leptogenesis via gravitational waves from domain walls. 2022, 106,	O
171	Time evolution of an infinite projected entangled pair state: A gradient tensor update in the tangent space. 2022 , 106,	0
170	Spatial Wilson loop in continuum, deconfining SU(2) Yang-Mills thermodynamics. 2010 , 522, 102-120	
169	Kink correlations, domain-size distribution, and emptiness formation probability after a Kibble-Zurek quench in the quantum Ising chain. 2022 , 106,	0
168	Preface. 2001 , vii-x	
167	Copyright Page. 2001 , iv-iv	
166	Symbols. 2001 , xvii-xxv	
165	INTERNATIONAL SERIES OF MONOGRAPHS ON PHYSICS. 2001, i-i	
164	Foreword. 2001 , v-vi	

163	Illustration. 2001 , xxvi-xxvi	
162	The revival of cosmic strings. 2006 , 518, 264-276	
161	Thermal photon dispersion law and modified black-body spectra. 2009 , 521, 271-280	
160	Probing WIMP dark matter via gravitational waves&pectral shapes. 2022 , 106,	O
159	Analysis of Bose-Einstein condensation times for self-interacting scalar dark matter. 2022, 106,	
158	Topological superfluid defects with discrete point group symmetries. 2022 , 13,	O
157	A topological realization of spin polarization through vortex formation in collisions of Bose E instein condensates. 2022 , 34, 087118	
156	Exact bounds on the energy gap of transverse-field Ising chains by mapping to random walks. 2022 , 106,	
155	Effective Model and Magnetic Properties of the Resistive Electron Quadrupling State. 2022, 129,	O
154	Search for the Gravitational-wave Background from Cosmic Strings with the Parkes Pulsar Timing Array Second Data Release. 2022 , 936, 20	O
153	Probing cosmic string spacetime through parameter estimation. 2022 , 82,	1
152	Probing left-right symmetry via gravitational waves from domain walls. 2022 , 106,	O
151	High precision solutions to quantized vortices within Gross-Pitaevskii equation.	
150	History-dependent phase transition character. 2022 , 45,	
149	Domain-Wall Topology Induced by Spontaneous Symmetry Breaking in Polariton Graphene. 2022 , 129,	1
148	Fermionic vacuum polarization induced by a non-Abelian vortex.	
147	Multitension strings in high-resolution U(1)D(1) simulations. 2022 , 106,	
146	Quantum nucleation of topological solitons. 2022 , 2022,	O

145	Phases and Dynamics of Ultracold Bosons in a Tilted Optical Lattice. 2022 , 425-458	О
144	Parametric Resonance of Complex Scalar Field Under Spacetime Oscillations. 2022, 913-917	Ο
143	Analytical Scaling Solutions for the Evolution of Cosmic Domain Walls in a Parameter-Free Velocity-Dependent One-Scale Model. 2022 , 14, 1799	O
142	Excess defect and coarsening kinetics in the two-dimensional ferromagnetic Ising model under slow cooling: effects of nonlinear cooling protocols.	O
141	Cosmology from Strong Interactions. 2022 , 8, 451	O
140	Gravitational transitions via the explicitly broken symmetron screening mechanism. 2022, 106,	2
139	Gravitational wave and CMB probes of axion kination. 2022 , 2022,	О
138	The Boring Monopole. 2022, 13,	O
137	Cosmological bound on the QCD axion mass, redux. 2022 , 2022, 022	2
136	Dynamics of topological defects after photoinduced melting of a charge density wave. 2022 , 106,	O
135	Nonequilibrium critical dynamics of the ferromagnetic Ising chain subject to slow cooling: Kawasaki spin-exchange kinetics.	O
134	Bounds from multimessenger astronomy on the superheavy dark matter. 2022 , 106,	O
133	Effects of Gravitational Field of a Topological Defect on Statistical Properties of Heavy Quark-Antiquark Systems. 2022 , 129-141	О
132	Symmetry restoration, tunneling, and the null energy condition. 2022 , 106,	O
131	Stochastic gravitational waves from long cosmic strings. 2022 , 2022, 078	О
130	Engineering Floquet dynamical quantum phase transitions. 2022 , 106,	О
129	A machine learning algorithm for direct detection of axion-like particle domain walls. 2022, 37, 101118	О
128	Quantum phase transition dynamics in the two-dimensional transverse-field Ising model. 2022 , 8,	1

127	Fidelity Mechanics: Analogues of the Four Thermodynamic Laws and Landauer Principle. 2022, 24, 1306	О
126	A New Theory for the Essence and Structure of the Photon. 2022 , 08, 960-977	O
125	Scaling solutions of wiggly cosmic strings. II. Time-varying coarse-graining scale solutions. 2022 , 106,	0
124	Quantum energies of BPS vortices in D=2+1 and D=3+1. 2022 , 106,	O
123	Stochastic gravitational wave background: Methods and implications. 2022, 104003	0
122	Confronting the Galactic 511 keV emission with BII gauge boson dark matter. 2022 , 106,	O
121	Interacting conformal scalar in a wedge. 2022 , 2022,	O
120	Disentangling Multiple Stochastic Gravitational Wave Background Sources in PTA Data Sets. 2022 , 938, 115	O
119	Kibble-Zurek behavior in one-dimensional disordered topological insulators. 2022, 106,	О
118	Modelling Cosmic Springs with Finsler and Generalised Finsler Geometries. 2022 , 14, 2166	O
117	Experimental validation of the Kibble-Zurek mechanism on a digital quantum computer. 1,	O
116	Locality of spontaneous symmetry breaking and universal spacing distribution of topological defects formed across a phase transition. 2022 , 106,	O
115	Relativistic LandauAharonovCasher quantization in the cosmic string spacetime in the context of rainbow gravity. 2022 , 137,	O
114	Classification of Abelian domain walls. 2022 , 106,	O
113	GUTs, hybrid topological defects, and gravitational waves. 2022 , 106,	О
112	Temperature-Dependent Decay of Quasi-Two-Dimensional Vortices across the BCS-BEC Crossover. 2022 , 129,	O
111	Anisotropic cloud string cosmological model with five-dimensional kaluza-klein space-time. 9,	О
110	Correlations, long-range entanglement, and dynamics in long-range Kitaev chains. 2022, 106,	O

109	Searching for axion-like particles through CMB birefringence from string-wall networks. 2022 , 2022, 090	O
108	Role of boundary conditions in the full counting statistics of topological defects after crossing a continuous phase transition. 2022 , 106,	O
107	Where is the ringdown: Reconstructing quasinormal modes from dispersive waves. 2022, 106,	O
106	Constraints on ultralight axions, vector gauge bosons, and unparticles from geodetic and frame-dragging measurements. 2022 , 82,	O
105	Probing shapes of microbes using liquid crystal textures. 2022 , 455, 128520	O
104	Nonadiabatic LandauZenerBtEkelbergMajorana transitions, dynamics, and interference. 2023 , 995, 1-89	2
103	Study of Frw Type Kaluza-Klein Domain Wall Cosmological Models in the Presence of Massive Scalar Field in a Modified Gravity. 2022 , 20, 227-247	0
102	Structure of axion miniclusters. 2022 , 106,	O
101	Memories of quenches in operator mixing. 2022 , 106,	O
100	All-optical generation of Abrikosov vortices by the inverse Faraday effect. 2022 , 106,	O
99	The neutrino pair annihilation (\square -> e-e+) around a massive source with an f(R) global monopole.	0
98	Emission of gravitational waves by superconducting cosmic strings. 2022 , 2022, 024	0
97	Exact solution for a fermion-antifermion system with Cornell type nonminimal coupling in the topological defect-generated spacetime. 2022 , 101133	О
96	Conformal and chiral phase transitions in Rydberg chains. 2022 , 4,	O
95	Searching for cosmic string induced stochastic gravitational wave background with the Parkes Pulsar Timing Array. 2022 , 106,	O
94	Interferometry based on the quantum Kibble-Zurek mechanism. 2022, 106,	O
93	S.M.A.S.H.E.D.: Standard Model Axion Seesaw Higgs inflation Extended for Dirac neutrinos. 2022 , 2022, 042	О
92	Mapping for BPS Solitons of Scalar Field Potentials in \$\$1 + 1\$\$ Dimensions and Family of Solutions. 2023 , 53,	O

91	Topological defects in nonlocal field theories. 2022 , 2022,	0
90	Minimal action control method in quantum critical models.	Ο
89	Effect of fluctuations on the geodesic rule for topological defect formation. 2022, 37,	0
88	Formation of a chiral soliton lattice. 2022 , 106,	0
87	Detecting cosmic strings with lensed fast radio bursts. 2022 , 106,	0
86	Kibble-Zurek Mechanism for Dynamical Ordering in a Driven Vortex System. 2022 , 129,	0
85	Gravitational waves-tomography of Low-Scale-Leptogenesis. 2022 , 2022,	0
84	Implications for cosmic domain walls from the first three observing runs of LIGO-Virgo. 2022, 106,	Ο
83	Detection of early-universe gravitational-wave signatures and fundamental physics. 2022, 54,	О
82	Type II Dirac seesaw portal to the mirror sector: Connecting neutrino masses and a solution to the strong CP problem. 2022 , 106,	Ο
81	Right-handed neutrinos, domain walls and tadpoles in the superstring inspired BSM. 2022, 116060	Ο
80	Klein © ordon particles in Gdel-type Som-Raychaudhuri cosmic string spacetime and the phenomenon of spacetime associated degeneracies. 2023 , 98, 015302	Ο
79	Quench dynamics and scaling laws in topological nodal loop semimetals. 2022 , 106,	Ο
78	Quantum annealing: an overview. 2023 , 381,	3
77	Domain Walls Seeding the Electroweak Phase Transition. 2022 , 129,	О
76	Abrikosov-Nielsen-Olesen strings from the Coleman-Weinberg potential. 2022, 106,	Ο
75	Understanding domain-wall encoding theoretically and experimentally. 2023, 381,	1
74	Statistics of the number of defects after quantum annealing in a thermal environment. 2023, 381,	1

73	Topological steering of light by nematic vortices and analogy to cosmic strings.	0
72	Probing quantum many-body correlations by universal ramping dynamics. 2022,	O
71	A Candid Assessment of Standard Cosmology. 2022 , 134, 121001	2
70	Detecting the stochastic gravitational wave background with the TianQin detector. 2022, 106,	O
69	Stable Assemblies of Topological Defects in Nematic Orientational Order.	О
68	Suppression of spontaneous defect formation in inhomogeneous Bose gases. 2022, 106,	Ο
67	The MeerKAT Pulsar Timing Array: First Data Release.	О
66	Finite temperature charge and current densities around a cosmic string in AdS spacetime with compact dimension. 2022 , 106,	Ο
65	Topological Defects. 2023 , 15-46	O
64	Electric-dual BPS vortices in the generalized self-dual Maxwell-Chern-Simons-Higgs model. 2023 , 98, 025208	Ο
63	Geometric theory of topological defects: methodological developments and new trends. 1-0	O
62	Supercooling of the A phase of 3He. 2023 , 14,	O
61	Probing Critical Behavior of Long-Range Transverse-Field Ising Model through Quantum Kibble-Zurek Mechanism. 2023 , 4,	0
60	Supercomputing with Graphics Processing Units. 2023 , 47-98	O
59	E- and T-model hybrid inflation. 2023 , 83,	0
58	ALP dark matter mini-clusters from kinetic fragmentation. 2023 , 2023, 009	0
57	Driven one-dimensional noisy Kitaev chain. 2023 , 107,	0
56	PDM KleinGordon particles in Gelel-type SomRaychaudhuri cosmic string spacetime background. 2023 , 138,	Ο

55	Vortex arrangement in an ultrathin superconducting bilayer disc. 2023, 605, 1354208	О
54	Stability of non-topological string in supersymmetric SU(2) $\mathbb{U}(1)$ gauge theory.	O
53	Critical behavior and the Kibble-Zurek mechanism in a musical phase transition. 2023, 18, e0280227	0
52	The noncommutative quantum Hall effect with anomalous magnetic moment in three different relativistic scenarios. 2023 , 55,	O
51	Non-Gaussian work statistics at finite-time driving. 2023 , 107,	0
50	Quantum Annealing in the NISQ Era: Railway Conflict Management. 2023 , 25, 191	O
49	Axion dark matter from frictional misalignment. 2023 , 2023,	0
48	Electrodynamics under the action of null cosmic strings. 2023 , 107,	O
47	Discrete Goldstone bosons. 2023 , 107,	0
46	Time- and Space-Varying Neutrino Mass Matrix from Soft Topological Defects. 2023, 130,	O
45	Axion dark matter with thermal friction. 2023 , 2023,	0
44	Universality in nonlinear passage through the miscible-immiscible phase transition in two component Bose-Einstein condensates. 2023 , 467, 128737	O
43	Statistical properties of the two dimensional Feshbach Villars oscillator (FVO) in the rotating cosmic string space Ime. 2023 , 452, 169302	0
42	First-Order Cosmological Phase Transition. 2022 , 267-355	O
41	Gravitational waves from domain walls in Pulsar Timing Array datasets. 2023 , 2023, 001	0
40	Universal Cooling Dynamics toward a Quantum Critical Point. 2023 , 130,	O
39	Radiation from global topological strings using adaptive mesh refinement: Massive modes. 2023 , 107,	О
38	A model of pseudo-Nambu ß oldstone dark matter from a softly broken SU(2) global symmetry with a U(1) gauge symmetry. 2023 , 2023,	O

37	Universal Breakdown of Kibble-Zurek Scaling in Fast Quenches across a Phase Transition. 2023, 130,	0
36	One Ito rule them all: CMB spectral distortions can probe domain walls, cosmic strings and low scale phase transitions. 2023 , 2023, 039	0
35	Lensing signatures of a slowly accelerated black hole. 2023 , 107,	0
34	Dimensional crossover of quantum critical dynamics in many-body phase transitions. 2023, 5,	0
33	Finite temperature energythomentum tensor in compactified cosmic string spacetime. 2023 , 83,	0
32	Probing neutrino interactions and dark radiation with gravitational waves. 2023, 2023, 064	0
31	Hydrodynamic Enhancement of p -atic Defect Dynamics. 2023 , 130,	0
30	Gravitational waves and monopoles dark matter from first-order phase transition. 2023 , 839, 137822	0
29	Search for gravitational-wave bursts in the third Advanced LIGO-Virgo run with coherent WaveBurst enhanced by machine learning. 2023 , 107,	O
28	Witnessing Nonequilibrium Entanglement Dynamics in a Strongly Correlated Fermionic Chain. 2023 , 130,	O
27	Vortex-bound solitons in topological superfluid 3He. 2023 , 35, 214001	O
26	Kibble Turek scaling due to environment temperature quench in the transverse field Ising model. 2023 , 13,	O
25	Navigating the noise-depth tradeoff in adiabatic quantum circuits. 2023, 107,	О
24	Phase-Space Analysis of an Einstein Lauss Bonnet Scalar Field Cosmology. 2023, 11, 1408	0
23	PBH-infused seesaw origin of matter and unique gravitational waves. 2023 , 2023,	О
22	Defect Line Coarsening and Refinement in Active Nematics. 2023 , 130,	O
21	Detecting cosmological gravitational wave background after removal of compact binary coalescences in future gravitational wave detectors. 2023 , 107,	О
20	String cosmological scenario in periodic time-varying deceleration parameter in Lyra geometry.	0

19	Anomalous universal adiabatic dynamics: The case of the Fredkin model. 2023, 5,	О
18	Adiabatic-impulse approximation in the non-Hermitian Landau-Zener model. 2023, 107,	Ο
17	Out-of-equilibrium finite-size scaling in generalized Kibble-Zurek protocols crossing quantum phase transitions in the presence of symmetry-breaking perturbations. 2023 , 107,	О
16	A window for cosmic strings. 2023 , 2023, 005	O
15	Gravitational waves from current-carrying cosmic strings. 2023 , 2023, 009	0
14	Friction on ALP domain walls and gravitational waves. 2023 , 2023, 008	O
13	Ultrafast optical generation of antiferromagnetic meron-antimeron pairs with conservation of topological charge. 2023 , 5,	0
12	The Cosmic Microwave Background Radiation. 2023 , 473-535	O
11	The Very Early Universe. 2023, 711-736	0
10	Introduction to topological defects: from liquid crystals to particle physics.	Ο
9	Parametric resonances in axionic cosmic strings. 2023 , 2023, 043	0
8	Absorption, scattering and shadow by a noncommutative black hole with global monopole. 2023 , 83,	0
7	Probing minimal grand unification through gravitational waves, proton decay, and fermion masses. 2023 , 2023,	O
6	Quantum critical dynamics in a 5,000-qubit programmable spin glass.	O
5	Phases of quench dynamics in the presence of fluctuations. 2023 , 5,	О
4	Decoherence in a PT -Symmetric Qubit. 2023 , 68, 101	O
3	Numerical quantum clock simulations for measuring tunneling times. 2023, 107,	0
2	Gravitational Waves from Cosmic Strings. 2022 , 419-499	O

Thermodynamics and shadows of GUP-corrected black holes with topological defects in Bumblebee gravity. **2023**, 41, 101249

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