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Monte Carlo study of the planar spin model

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412	Phase diagram of the Z(5) model on a square lattice. <b>1980</b> , 13, L311-L320		28
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409	Bond-orientational order, dislocation loops, and melting of solids and smectic-A liquid crystals. <i>Physical Review B</i> , <b>1981</b> , 24, 363-387	3.3	354
408	A Monte Carlo study of the U(2) chiral model. <b>1981</b> , 191, 381-410		9
407	Chiral models: Their implication for gauge theories and large N. <b>1981</b> , 190, 113-150		46
406	Vortices in the two-dimensional s=1/2XY model. <b>1981</b> , 14, 531-538		16
405	Helicity modulus and specific heat of classical XY model in two dimensions. <i>Physical Review B</i> , <b>1981</b> , 23, 359-361	3.3	90
404	The two-dimensional Lennard-Jones system: Sublimation, vaporization, and melting. <b>1981</b> , 75, 5097-510	09	76
403	Monte Carlo realization of Kadanoff block transformation in the 2d plane-rotator model. <b>1981</b> , 106, 31	1-325	21
402	Monopole ionization and the transition from weak to strong coupling in gauge theories. <b>1981</b> , 23, 972-	1002	6
401	Two-dimensional Coulomb gas: A Monte Carlo study. <i>Physical Review B</i> , <b>1981</b> , 23, 308-315	3.3	58
400	Thermal characteristics of the two-dimensional planar rotator model. <i>Physical Review B</i> , <b>1981</b> , 24, 2608	-236312	6
399	Corrections to scaling and surface specific heat of confined helium. <i>Physical Review B</i> , <b>1981</b> , 23, 5797-58	834	40
398	Nature of the phase transition in compact QED. <b>1981</b> , 24, 461-465		33

397	Vortex excitations and specific heat of the planar model in two dimensions. <i>Physical Review B</i> , <b>1981</b> , 23, 6008-6012	3.3	51
396	Phase diagrams and critical behavior of a two-dimensional anisotropic Heisenberg antiferromagnet. <i>Physical Review B</i> , <b>1981</b> , 24, 1391-1403	3.3	80
395	Magnetic phase transition of second-stage NiCl2-graphite intercalation compound in an external magnetic field. <b>1981</b> , 14, L923-L928		32
394	On phase diagram of granular superconductor. <b>1981</b> , 14, L31-L35		28
393	Monte Carlo studies of +or-J spin glasses with continuous symmetries in D=2. <b>1981</b> , 14, L633-L636		6
392	Helicity modulus and specific heat of the periodic Gaussian model in two dimensions. <i>Physical Review B</i> , <b>1982</b> , 25, 5977-5986	3.3	14
391	Kosterlitz-Thouless transition in two-dimensional planar ferromagnet K2CuF4 (invited). <b>1982</b> , 53, 1893	-1898	46
390	Laplacian roughening models and two-dimensional melting. <i>Physical Review B</i> , <b>1982</b> , 26, 269-283	3.3	73
389	Molecular-dynamics study of melting in two dimensions. Inverse-twelfth-power interaction. <i>Physical Review B</i> , <b>1982</b> , 25, 4651-4669	3.3	161
388	Properties of the q-state clock model for q=4, 5, and 6. <i>Physical Review B</i> , <b>1982</b> , 26, 6201-6207	3.3	83
387	Perturbative analysis of the planar XY model. <i>Physical Review B</i> , <b>1982</b> , 25, 1755-1758	3.3	11
386	Monte Carlo studies of two-dimensional melting: Dislocation vector systems. <i>Physical Review B</i> , <b>1982</b> , 26, 6239-6253	3.3	93
385	Reply to "Comment on: Monte Carlo test of theories for the planar model, the F model, and related systems". <i>Physical Review B</i> , <b>1982</b> , 25, 2022-2024	3.3	8
384	Monte Carlo study of melting in two dimensions. <i>Physical Review B</i> , <b>1982</b> , 25, 6778-6798	3.3	63
383	Susceptibility of Magnetic Graphite-CoCl2 Intercalation Compounds. 1982, 20, 207		2
382	Magnetic Heat Capacity of Stage 2 Graphite-CoCl2. <b>1982</b> , 20, 213		1
381	Variational study of critical properties: The spectrum and phase structure of the XY model. <b>1982</b> , 210, 529-552		3
380	Mass gap and universality for euclidean O(N) and CPNII models. 1982, 210, 263-271		16

379	Monte Carlo estimates of the mass gap of the O(2) and O(3) spin models in 1+1 dimensions. <b>1982</b> , 205, 188-220		81
378	Numerical evidence for a phase transition in the RP2 spin model in two dimensions. <b>1982</b> , 109, 209-214		19
377	Dynamics of 2D anisotropic solids, smectics and nematics. <b>1982</b> , 144, 345-395		13
376	Monte Carlo simulation of the two-dimensional classical Heisenberg model with easy-plane anisotropy. <b>1982</b> , 42, 595-600		36
375	Superfluid transition of 4He films adsorbed on graphite substrates: A calorimetric study in connection with third-sound observations. <b>1982</b> , 48, 331-348		8
374	U(1) lattice gauge theory near the phase transition. <b>1983</b> , 133, 103-107		104
373	A Monte Carlo study of the XY model. <b>1983</b> , 94, 99-102		12
372	Phase transtions in frustrated two-dimensional XY models. <i>Physical Review B</i> , <b>1983</b> , 27, 598-601	3.3	442
371	Critical and multicritical behavior in a triangular-lattice-gas Ising model: Repulsive nearest-neighbor and attractive next-nearest-neighbor coupling. <i>Physical Review B</i> , <b>1983</b> , 27, 5604-5617	3.3	158
370	Field-induced increase of the Nel temperature in a two-dimensional system. <b>1983</b> , 31-34, 1196-1198		3
369	Magnetic properties of CoCl2-intercalated graphite. <b>1983</b> , 8, 35-42		20
368	Structural phase transition on W and Mo surfaces. <b>1983</b> , 125, 218-226		44
367	Migdal transformations of O(2)-symmetric spin Hamiltonians. 1983, 16, 4053-4065		10
366	Theoretical interpretation of resistive transition data from arrays of superconducting weak links. <i>Physical Review B</i> , <b>1983</b> , 27, 150-157	3.3	339
365	Long-range orientational order in two-dimensional liquid crystals. <b>1983</b> , 27, 1221-1224		21
364	Boson representation and variational method for O(N) spin systems in 1 + 1 dimensions. <b>1983</b> , 28, 1453-	1460	2
363	Floating phase in the chiral Potts model. A Monte Carlo renormalization-group analysis. <i>Physical Review B</i> , <b>1983</b> , 28, 2883-2885	3.3	14
362	Properties of monolayer solid helium and its melting transition. <i>Physical Review B</i> , <b>1983</b> , 28, 3738-3752	3.3	53

361	High-temperature critical behavior of two-dimensional planar models: A series investigation.  Physical Review B, 1983, 27, 314-325  3.3	21
360	Some aspects of theCPNIImodel. 1983, 28, 2628-2636	13
359	Low-temperature heat capacity of magnetic graphite intercalation compounds. <i>Physical Review B</i> , <b>1983</b> , 28, 4799-4809	20
358	A Monte Carlo simulation study of the two-dimensional melting mechanism. <b>1983</b> , 78, 4206-4222	48
357	Two-Dimensional XY Behaviours in an Antiferromagnetic Mn(HCOO)2[2H2O Induced by the Magnetic Field. <b>1983</b> , 52, 656-663	13
356	Neutron Scattering Study of Spin Dynamics at the Magnetic Phase Transition in Two-Dimensional Planar Ferromagnet K2CuF4. <b>1983</b> , 52, 4220-4230	43
355	Finite-size effects of the helicity modulus in the two-dimensional classical XY model. <b>1984</b> , 17, 5039-5047	11
354	Heat Capacities of the Two-Dimensional Triangular Heisenberg Antiferromagnets VX2 (X; Cl, Br, and I). <b>1984</b> , 53, 1480-1486	23
353	The specific heat of planar spin models. <b>1984</b> , 55, 2438-2440	3
352	Vortex effects on domain growth: The clock model. <i>Physical Review B</i> , <b>1984</b> , 30, 6535-6539 3.3	22
351	Quantum fluctuations in chains of Josephson junctions. <i>Physical Review B</i> , <b>1984</b> , 30, 1138-1147 3.3	170
350	Failure of bulk-correlation-length scaling for the superfluid density of confined He4. <i>Physical Review B</i> , <b>1984</b> , 29, 138-149	40
349	First-Order Transition in an xy Model with Nearest-Neighbor Interactions. <b>1984</b> , 52, 1535-1538	117
348	Application of the Green's-function Monte Carlo method to the Hamiltonian XY model. <b>1984</b> , 29, 1784-1790	6
347	CoCl2-intercalated graphite: A quasi-two-dimensional magnetic system. <i>Physical Review B</i> , <b>1984</b> , 30, 722 <b>5</b> :3723	<b>35</b> 40
346	Phase transitions in the six-state vector Potts model in two dimensions. <b>1984</b> , 55, 2429-2431	12
345	Renormalization and quantum effects in a two-dimensional planar model. <b>1984</b> , 129, 40-61	4
344	Transfer matrix in plane-rotator model. <b>1984</b> , 104, 357-360	28

343	Does Monte Carlo support the Kosterlitz-Thouless scenario. <b>1984</b> , 134, 235-240	16
342	From Continuous to First-Order Transition in a Simple XY Model. <b>1984</b> , 53, 5-8	57
341	Thermodynamics of the two-dimensional spin-1/2 XY model. <b>1984</b> , 57, 209-220	32
340	Phase Transition of the Two-Dimensional Heisenberg Antiferromagnet on the Triangular Lattice. <b>1984</b> , 53, 4138-4154	241
339	Nature of the Phase Transition of the Two-Dimensional Antiferromagnetic Plane Rotator Model on the Triangular Lattice. <b>1984</b> , 53, 1145-1154	260
338	Phase Diagram of a Two-Dimensional Heisenberg Antiferromagnet in a Magnetic Field. <b>1984</b> , 53, 2434-2436	6
337	Bond-moving transformations for continuous-spin systems. <b>1985</b> , 130, 412-436	3
336	Critical behavior of the ferromagnetic ising chain with interactionJ ij = iʃʃ᠒. <b>1985</b> , 63, 635-640	11
335	A study of d=4 U(1) lattice gauge theory with monopoles removed. <b>1985</b> , 152, 221-225	49
334	Monte Carlo simulation of quantum statistical lattice models. <b>1985</b> , 127, 233-307	162
333	Monte Carlo Simulations of the Quantum XXZ Model in Two Dimensions. 1985, 32, 327-333	11
332	Zero-field susceptibility of finite-size Kosterlitz-Thouless systems. <i>Physical Review B</i> , <b>1985</b> , 32, 3142-3143.3	17
331	Spin-correlation function in the two-dimensional XY model. <i>Physical Review B</i> , <b>1985</b> , 32, 4528-4538 3.3	17
330	Phase transitions in fully frustrated spin systems. <i>Physical Review B</i> , <b>1985</b> , 32, 1778-1795 3.3	127
329	Monte Carlo studies of the quantum XY model in two dimensions. <i>Physical Review B</i> , <b>1985</b> , 31, 4712-471 <b>4</b> .3	65
328	An unusual phase transition. <i>Physical Review B</i> , <b>1985</b> , 32, 341-344 3.3	
327	Evidence for algebraic orientational order in a two-dimensional hard-core nematic. <b>1985</b> , 31, 1776-1787	205
326	Gaussian effective potential. II. lambda phi4 field theory. <b>1985</b> , 32, 1389-1408	276

325	Statistical Thermodynamics. <b>1985</b> , 8-88	2
324	Langevin simulations of lattice field theories. <b>1985</b> , 32, 2736-2747	277
323	Duality, vortices and flux tubes in two-dimensional spin and chiral models. <b>1985</b> , 251, 1-28	2
322	Charge renormalization in compact lattice QED. <b>1985</b> , 251, 299-310	49
321	A theoretical and numerical analysis of disorder operators in the chiral models. <b>1985</b> , 257, 85-122	11
320	Dynamical shifting of the critical point in 4D U(1) lattice gauge theory. <b>1985</b> , 257, 515-530	34
319	Microcanonical study of the planar spin model. <b>1986</b> , 265, 313-323	20
318	Monte Carlo renormalization group study of the XY model. <b>1986</b> , 265, 615-629	12
317	Application of the projector Monte Carlo method to the transfer matrix of the classical XY model. <b>1986</b> , 265, 113-128	4
316	How good is the villain approximation?. <b>1986</b> , 270, 135-153	36
315	The renormalization group and compact lattice QED. <b>1986</b> , 270, 575-602	16
3 <sup>1</sup> 4	Mean field methods for strings and monopoles in abelian lattice gauge theories. <b>1986</b> , 275, 488-516	2
313	Parallel computations of lattice models in physics. <b>1986</b> , 42, 11-19	2
312	A monte Carlo study of the two-dimensional Heisenberg model with easy-plane symmetry. <b>1986</b> , 60, 169-171	37
311	The uniaxial brickwork model, exact results, and CVM approximation. <b>1986</b> , 43, 663-670	2
310	The deconfining transition for finite-temperature U(1) lattice gauge theory in (2 + 1) dimensions. <b>1986</b> , 175, 64-68	19
309	XY-Nature of the Fully Frustrated Ising Model on the Triangular Lattice. <b>1986</b> , 55, 3326-3337	17
308	A Monte Carlo analysis of the two-dimensional modified step model. <b>1986</b> , 19, 2183-2193	1

307	A Monte Carlo analysis of the two-dimensional planar and step models. <b>1986</b> , 19, 1745-1752		5
306	Vortex dynamics and phase transitions in a two-dimensional array of Josephson junctions. <b>1986</b> , 56, 129	1-129	4 <sub>102</sub>
305	Vortices and strings: Phase transition in anisotropic planar-rotor systems. <i>Physical Review B</i> , <b>1986</b> , 33, 3419-3422	3.3	7
304	Critical behavior of the six-state clock model in two dimensions. <i>Physical Review B</i> , <b>1986</b> , 33, 437-443	3.3	107
303	Low-density phase diagram of the two-dimensional Coulomb gas. <i>Physical Review B</i> , <b>1986</b> , 33, 499-509	3.3	82
302	Topological excitations and long-range order. <b>1986</b> , 33, 3002-3010		7
301	Role of vortex strings in the three-dimensional O(2) model. <b>1986</b> , 57, 1358-1361		119
300	Phase transitions in two-dimensional uniformly frustrated XY spin systems. <i>Physical Review B</i> , <b>1986</b> , 34, 3177-3184	3.3	120
299	New algorithm for high-temperature series: The planar rotator model. <i>Physical Review B</i> , <b>1986</b> , 33, 4725	- <del>4</del> 733	24
298	Superfluid transition of 4He films adsorbed in porous materials. <i>Physical Review B</i> , <b>1986</b> , 33, 6106-6122	3.3	71
297	Critical behavior of the two-dimensional XY model: A Monte Carlo simulation. <i>Physical Review B</i> , <b>1986</b> , 34, 292-300	3.3	98
296	High-temperature critical behavior of square-lattice planar models: A series investigation. <i>Physical Review B</i> , <b>1986</b> , 33, 521-525	3.3	2
295	On the relation between the Coulomb gas and the lattice XY model. <b>1986</b> , 19, L739-L743		2
294	Magnetic Phase Transitions in Low-Dimensional Systems. <b>1987</b> , 125-140		12
293	Phase transitions and Lyapunov characteristic exponents. <b>1987</b> , 36, 962-964		60
292	Numerical simulation of dynamics in the XY model. <i>Physical Review B</i> , <b>1987</b> , 35, 8528-8541	3.3	59
291	Classical Heisenberg ferromagnet in two dimensions. <i>Physical Review B</i> , <b>1987</b> , 36, 3791-3797	3.3	72
290	Evidence for 2D XY Kosterlitz-Thouless transitions in magnetic graphite intercalation compounds. <b>1987</b> , 61, 4398-4400		2

289	Positional disorder in a Josephson-junction array. <i>Physical Review B</i> , <b>1987</b> , 35, 1669-1675	37
288	Cooperative ring exchange and the fractional quantum Hall effect. <i>Physical Review B</i> , <b>1987</b> , 36, 1620-16463	72
287	Phase transitions in Heisenberg antiferromagnets on triangular and layered-triangular lattices (invited). <b>1987</b> , 61, 3590-3594	25
286	Numerical simulations of a high-T c -superconductive glass model. <b>1987</b> , 69, 33-47	155
285	Nature of transitions in uniformly frustrated two-dimensional planar spin systems. <b>1987</b> , 61, 4425-4427	
284	Monte Carlo and coarse graining renormalization studies for the XY model with cubic anisotropy. <b>1987</b> , 140, 585-596	12
283	Random lattice laplacians and X-Y models. <b>1987</b> , 198, 373-378	2
282	Fourier-accelerated Langevin equation for the planar XY model. <b>1987</b> , 100, 173-183	2
281	Effect of weak uniform frustration on the resistive transition in a Josephson junction array. <b>1988</b> , 65, 977-980	3
280	A Monte Carlo investigation of the planar Lebwohl-Lasher lattice model. <b>1988</b> , 148, 298-311	46
279	Monte carlo simulation of a disordered long-ranged plane rotator system in one dimension. <b>1988</b> , 10, 1459-1472	8
278	An investigation of the phase structure of the two-dimensional O(2) and O(4) symmetric nonlinear sigma-models. <b>1988</b> , 214, 109-114	11
277	Phase transition in the 2D XY model. <b>1988</b> , 61, 1996-1999	203
276	Critical behaviour, scaling and universality in some two-dimensional spin models. <b>1988</b> , 305, 623-660	49
275	Two-dimensional melting. <b>1988</b> , 60, 161-207	870
274	Magnetic-flux dependence of the resistive transition in a square Josephson-junction array. <i>Physical Review B</i> , <b>1988</b> , 38, 63-73	39
273	New coherent states in periodic arrays of ultrasmall Josephson junctions. <i>Physical Review B</i> , <b>1988</b> , 38, 4562-4579	50
272	Study of Hamiltonians with long-range interactions: The XY model. <i>Physical Review B</i> , <b>1988</b> , 37, 7873-78763	11

271	Phase transition in positionally disordered Josephson-junction arrays in a transverse magnetic field. <i>Physical Review B</i> , <b>1988</b> , 37, 7557-7563	3.3	38
270	Monte Carlo simulation of the 1/n2 plane rotator chain. <i>Physical Review B</i> , <b>1988</b> , 38, 9264-9267	3.3	21
269	Topology of the lattice two-dimensional XY model. <i>Physical Review B</i> , <b>1988</b> , 37, 9817-9819	3.3	1
268	Phase transitions of a quasiperiodic Josephson-junction array in magnetic fields. <i>Physical Review B</i> , <b>1988</b> , 38, 11476-11480	3.3	5
267	Monte Carlo determination of the critical temperature for the two-dimensional XY model. <i>Physical Review B</i> , <b>1988</b> , 37, 5986-5989	3.3	169
266	Computer simulation study of a one dimensional plane rotator system with long-range interactions. <b>1988</b> , 3, 1215-1229		18
265	Low-temperature expansion of the planar spin model. <b>1988</b> , 21, 1735-1738		1
264	Role of topological defects in the phase transition of the three-dimensional Heisenberg model. <b>1988</b> , 21, L51-L57		19
263	Dynamical phase transitions in the two-dimensional XY model. <b>1989</b> , 22, L939-L945		28
262	Critical behavior of the two-dimensional uniformly frustrated charged Coulomb gas. <i>Physical Review B</i> , <b>1989</b> , 39, 9267-9272	3.3	74
261	Monte Carlo simulation of a one dimensional classical Heisenberg model with long range interactions. <b>1989</b> , 4, 483-495		5
260	Heat-capacity anomaly from four-layer liquid-crystal films. <b>1989</b> , 63, 540-543		40
259	Monte Carlo simulation of a disordered classical Heisenberg system in one dimension and with long-range ferromagnetic interactions. <i>Physical Review B</i> , <b>1989</b> , 40, 4970-4974	3.3	12
258	Critical behavior of the two-dimensional XY model: An analysis of extended high-temperature series. <i>Physical Review B</i> , <b>1989</b> , 40, 534-545	3.3	19
257	Dynamics of ordering in highly degenerate models with anisotropic grain-boundary potential: Effects of temperature and vortex formation. <i>Physical Review B</i> , <b>1989</b> , 40, 9070-9079	3.3	9
256	Monte Carlo simulation of disordered one dimensional systems with long range antiferromagnetic interactions. <b>1989</b> , 6, 609-618		1
255	Monte Carlo study of surface critical behavior in the XY model. <i>Physical Review B</i> , <b>1989</b> , 39, 12302-1230	)53.3	30
254	Monte Carlo simulation of a two dimensional anisotropic plane rotator model. <b>1989</b> , 6, 457-466		10

253	Monte Carlo Study of Bond and Molecular Orientational Ordering in Two-Dimensional Nematic Liquid-Crystal Systems. <b>1989</b> , 9, 539-544		7
252	The two-dimensional XY model in random hexagonal anisotropy. <b>1989</b> , 1, 3037-3040		3
251	Monte Carlo renormalisation group study of the XY model on a two-dimensional random triangular lattice. <b>1989</b> , 22, 4179-4188		2
250	Dynamical correlations from mobile vortices in two-dimensional easy-plane ferromagnets. <i>Physical Review B</i> , <b>1989</b> , 39, 591-602	3.3	101
249	Renormalisation group study of XY and Heisenberg models in two dimensions. 1989, 328, 677-700		28
248	Collective Monte Carlo updating in a high precision study of the x model. 1989, 322, 759-774		188
247	Numerical investigation of the role of topological defects in the three-dimensional Heisenberg transition. <i>Physical Review B</i> , <b>1989</b> , 39, 7212-7222	3.3	65
246	Collective Monte Carlo updating for spin systems. <b>1989</b> , 62, 361-364		1801
245	Monte Carlo simulations of finite-size effects in Kosterlitz Thouless systems. <b>1989</b> , 1, 5139-5150		5
244	A finite temperature study of the (2+1) Abelian Higgs model. <b>1990</b> , 16, 1-13		4
244	A finite temperature study of the (2+1) Abelian Higgs model. <b>1990</b> , 16, 1-13  Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863	3.3	4
		3.3	
243	Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863		42
243	Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863  Crossover in the XY model from three to two dimensions. <i>Physical Review B</i> , <b>1990</b> , 42, 10673-10681  XY model with weak random anisotropy in a symmetry-breaking magnetic field. <i>Physical Review B</i> ,	3.3	4 <sup>2</sup> 50
243 242 241	Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863  Crossover in the XY model from three to two dimensions. <i>Physical Review B</i> , <b>1990</b> , 42, 10673-10681  XY model with weak random anisotropy in a symmetry-breaking magnetic field. <i>Physical Review B</i> , <b>1990</b> , 41, 11549-11556	3.3	42 50 31
243 242 241 240	Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863  Crossover in the XY model from three to two dimensions. <i>Physical Review B</i> , <b>1990</b> , 42, 10673-10681  XY model with weak random anisotropy in a symmetry-breaking magnetic field. <i>Physical Review B</i> , <b>1990</b> , 41, 11549-11556  Evidence for a Kosterlitz-Thouless transition in a simulation of CD4 adsorbed on MgO. <b>1990</b> , 64, 2289-24.  Monte Carlo study of induced bond orientational ordering in two-dimensional liquid-crystal models.	3.3	42 50 31 18
243 242 241 240 239	Monte Carlo study of two-step defect melting. <i>Physical Review B</i> , <b>1990</b> , 41, 6848-6863  Crossover in the XY model from three to two dimensions. <i>Physical Review B</i> , <b>1990</b> , 42, 10673-10681  XY model with weak random anisotropy in a symmetry-breaking magnetic field. <i>Physical Review B</i> , <b>1990</b> , 41, 11549-11556  Evidence for a Kosterlitz-Thouless transition in a simulation of CD4 adsorbed on MgO. <b>1990</b> , 64, 2289-6499, 41, 6786-6795  Monte Carlo simulations of Josephson-junction arrays with positional disorder. <i>Physical Review B</i> ,	3-3 3-3 2292	42 50 31 18

235	Phase transitions in spin systems with frustrations. <b>1990</b> , 20, 27-71		15
234	Application Of High- and Low-Temperature Series Expansions to Two-Dimensional Magnetic Systems. <b>1990</b> , 105-190		40
233	Molecular-dynamics simulation of methane adsorbed on MgO: Evidence for a Kosterlitz-Thouless transition. <b>1990</b> , 71, 1173-1191		26
232	Kosterlitz-Thouless transition in the two-dimensional quantum XY model. <i>Physical Review B</i> , <b>1990</b> , 42, 6827-6830	.3	66
231	Multi-grid Monte Carlo (II). Two-dimensional XY model. <b>1991</b> , 354, 289-327		60
230	Topological Phase Transition in Biological Ecosystems. <b>1991</b> , 15, 399-404		45
229	Orientational transitions in a one-dimensional lattice of molecules with dipole and quadrupole moments. <b>1991</b> , 172, 320-335		
228	Numerical evidence for Kosterlitz-Thouless transition in the 2D XY Villain model. <b>1991</b> , 157, 11-16		37
227	Monte Carlo study of the specific heat and magnetization of a random three-dimensional cluster of Josephson coupled superconducting grains. <b>1991</b> , 177, 138-144		1
226	Phase transitions of the 6-clock model in two dimensions. <b>1991</b> , 24, 265-275		28
225	Dynamical phase transitions in the classical Heisenberg model. <b>1991</b> , 24, 1059-1064		8
224	Cell dynamical modelling of vortex dynamics. <b>1991</b> , 24, 3323-3329		3
223	Critical properties of the two-dimensional planar spin model in the presence of p-fold random anisotropy. <b>1991</b> , 24, L1299-L1304		3
222	Monte Carlo study of the surface special transition in the XY model in three dimensions. <i>Physical Review B</i> , <b>1991</b> , 43, 1048-1055	.3	20
221	On the helicity and delect the estrict term and weeks Code size dations for the		
	On the helicity modulus, the critical temperature and Monte Carlo simulations for the two-dimensional XY-model. <b>1991</b> , 43, 203-209		35
220			15
220	two-dimensional XY-model. <b>1991</b> , 43, 203-209		

217	Phase transitions in classical two-dimensional lattice Coulomb gases. <i>Physical Review B</i> , <b>1992</b> , 46, 3247-3	3.62	69
216	Critical behavior of the two-dimensional XY model. <i>Physical Review B</i> , <b>1992</b> , 45, 2883-2898	3.3	165
215	Effect of XY spin anisotropy on the critical temperature in stage-2 CocNi1-cCl2-graphite intercalation compounds. <i>Physical Review B</i> , <b>1992</b> , 46, 5311-5317	3.3	7
214	Phase transition and thermodynamics of quantum XY model in two dimensions. <i>Physical Review B</i> , <b>1992</b> , 45, 230-242	3.3	52
213	Critical slowing down in the X-Y model: Comparing chaotic molecular dynamics and hybrid Monte Carlo. <b>1992</b> , 26, 623-625		2
212	Monte Carlo simulation of the two-dimensional planar model. <b>1992</b> , 69, 1097-1113		7
211	Calculation of the spin stiffness for 2D easy-plane magnets. <b>1992</b> , 166, 330-334		35
210	Critical behavior of global demons and hybrid Monte Carlo in the XY model. <b>1992</b> , 296, 379-384		5
209	Free-vortex formation of the plane rotator model. <b>1992</b> , 104-107, 227-228		
208	Measuring the decorrelation times of Fourier modes in simulations. <b>1993</b> , 305, 131-135		1
207	Global demons in field theory. Critical slowing down in the XY model. <b>1993</b> , 409, 635-662		9
206	Frustrated classical XY spin systems in the two-dimensional Penrose tiling. <b>1993</b> , 153-154, 403-407		21
205	Precision specific-heat studies of thin superfluid films. <b>1993</b> , 71, 3673-3676		28
204	New critical point for two dimensional XY-type models. <b>1993</b> , 70, 1327-1330		49
203	Temperature dependence of XY-like order parameters in thin free-standing smectic liquid-crystal films. <i>Physical Review E</i> , <b>1993</b> , 48, 625-627	2.4	
202	Magnetization and universal sub-critical behaviour in two-dimensional XY magnets. <b>1993</b> , 5, L53-L59		165
201	A ferromagnetic monolayer with model spin-orbit and dipole-dipole interactions. <b>1993</b> , 5, 4527-4540		37
200	Thermal properties of Etacked hexatic phases[in liquid crystals. <b>1993</b> , 42, 343-391		62

199	Quantitative study of the Kosterlitz-Thouless phase transition in an XY model of two-dimensional plane rotators: High-temperature expansions to order beta 20. <i>Physical Review B</i> , <b>1993</b> , 47, 11969-119	79 <sup>3.3</sup>	39
198	Phase transitions in the classical X-Y and some related models (invited). <b>1993</b> , 73, 6091-6095		7
197	Free-vortex formation and topological phase transitions of two-dimensional spin systems. <i>Physical Review B</i> , <b>1993</b> , 47, 1134-1137	3.3	36
196	Kosterlitz-Thouless transition in multipolar systems. <i>Physical Review B</i> , <b>1993</b> , 47, 608-616	3.3	3
195	Phase transition and spin dynamics in the two-dimensional easy-plane ferromagnet. <i>Physical Review B</i> , <b>1993</b> , 48, 12698-12703	3.3	27
194	Phase transitions in Josephson-junction arrays with long-range interaction. <i>Physical Review B</i> , <b>1993</b> , 47, 967-974	3.3	22
193	Heat-capacity anomalies from four-layer liquid-crystal films: Experimental results and simulation results. <i>Physical Review E</i> , <b>1993</b> , 47, 2938-2941	2.4	5
192	Effect of free surfaces on the smectic-A-hexatic-B-crystal-E transitions in thin free-standing films of the liquid-crystal compound n-heptyl-4'-n-pentyloxybiphenyl-4-carboxylate (75OBC). <i>Physical Review E</i> , <b>1993</b> , 48, 408-427	2.4	38
191	Vortex-loop crinkling in the three-dimensional XY model: Numerical evidence in support of an ansatz. <i>Physical Review B</i> , <b>1993</b> , 47, 15159-15169	3.3	19
190	High-precision Monte Carlo study of the two-dimensional XY Villain model. <i>Physical Review B</i> , <b>1993</b> , 48, 7419-7433	3.3	44
189	Computer simulation study of a two-dimensional lattice spin model with interactions of dipolar type. <b>1994</b> , 50, 326-332		11
188	Monte Carlo Simulations of the Quantum X-Y Model by a Loop-Cluster Algorithm. <b>1994</b> , 11, 49-52		3
187	Kinetic inductance of Josephson-junction arrays: Dynamic and equilibrium calculations. <i>Physical Review B</i> , <b>1994</b> , 50, 13632-13637	3.3	3
186	Self-consistent boundary conditions in the 2D XY model. <b>1994</b> , 73, 3339-3342		42
185	High-temperature study of the Kosterlitz-Thouless phase transition in the XY model on the triangular lattice. <i>Physical Review B</i> , <b>1994</b> , 50, 3052-3057	3.3	27
184	Critical behavior of the two-dimensional easy-plane ferromagnet. <b>1994</b> , 76, 6362-6364		6
183	Wannier-function approach to phase transitions in superconducting films. <i>Physical Review B</i> , <b>1994</b> , 50, 3294-3301	3.3	2
182	Quantum renormalization of the XY model. <b>1994</b> , 75, 5814-5816		14

181	Effects of solitons in the critical behavior of an anisotropic Heisenberg model in two dimensions. <i>Physical Review B</i> , <b>1994</b> , 50, 3828-3829	3.3	6
180	Microcanonical Monte Carlo simulations of the first-order transition in a 2D classical XY-model. <b>1994</b> , 186, 103-106		3
179	Comparison of Monte Carlo results for the 3D Ising interface tension and interface energy with (extrapolated) series expansions. <b>1994</b> , 203, 189-213		41
178	High precision renormalization group study of the roughening transition. <b>1994</b> , 208, 124-161		43
177	Phase transition in nonuniform Josephson arrays: Monte Carlo simulations. <b>1994</b> , 89, 145-150		6
176	The Heisenberg Antiferromagnet on a Triangular Lattice: Topological Excitations. <b>1994</b> , 25, 711-716		16
175	First-order transition in a 2D classical XY-model using microcanonical Monte Carlo simulations. <b>1994</b> , 43, 129-137		1
174	Magnetism in the few-monolayers limit: A surface magneto-optic Kerr-effect study of the magnetic behavior of ultrathin films of Co, Ni, and Co-Ni alloys on Cu(100) and Cu(111). <i>Physical Review B</i> , 1994, 49, 3962-3971	3.3	401
173	Magnetization: A characteristic of the Kosterlitz-Thouless-Berezinskii transition. <i>Physical Review B</i> , <b>1994</b> , 49, 8811-8814	3.3	95
172	Monte Carlo Study of the Ferromagnetic Six-State Clock Model on the Triangular Lattice. <b>1995</b> , 64, 1293-	1304	5
171	Vortices in the 2d classical XY-model: a microcanonical Monte Carlo simulation study. <b>1995</b> , 206, 133-136		4
170	Perturbative analysis of the classical two-dimensional XY model. <b>1995</b> , 96, 915-918		4
169	Ising model on the quasiperiodic octagonal tiling. <b>1995</b> , 140-144, 1699-1700		
168	Quantum effects on the Berezinskii-Kosterlitz-Thouless transition in the ferromagnetic two-dimensional XXZ model. <i>Physical Review B</i> , <b>1995</b> , 51, 12840-12843	3.3	16
167	Two-dimensional XXZ model on a square lattice: A Monte Carlo simulation. <i>Physical Review B</i> , <b>1995</b> , 52, 10221-10231	3.3	67
166	Nematic ordering in a Vycor-like restrictive geometry: A two-dimensional model. <i>Physical Review E</i> , <b>1995</b> , 52, 4991-4999	2.4	10
165	Equilibrium properties of the condensed states of a turbulent two-dimensional neutral vortex system. <b>1995</b> , 7, 1402-1417		8
164	Static and Dynamic Magnetic Properties of Rb2CrCl4: Ideal 2D-XYBehaviour in a Layered Magnet. <b>1995</b> , 64, 3066-3071		19

163	Spontaneous interlayer coherence in double-layer quantum Hall systems: Charged vortices and Kosterlitz-Thouless phase transitions. <i>Physical Review B</i> , <b>1995</b> , 51, 5138-5170	3.3	554
162	Critical temperature of the non-frustrated ferromagnetic ising model on the quasiperiodic octagonal tiling. <b>1995</b> , 191, 216-226		2
161	Phase Transitions and Kinetics of Ordering. <b>1996</b> , 713-807		5
160	Vortex pairs and central peak in the dynamic structure factor in the 2D XY model below TKT. <b>1996</b> , 162, 219-224		9
159	Phase transition in the two-dimensional classical XY model. <b>1996</b> , 223, 261-266		12
158	Spin-glass behavior of frustrated two-dimensional Penrose lattice in the classical planar model. <i>Physical Review B</i> , <b>1996</b> , 54, R740-R743	3.3	6
157	Low-temperature thermodynamic study of the XY model using a self-consistent harmonic approximation. <i>Physical Review B</i> , <b>1996</b> , 53, 235-239	3.3	28
156	Superfluidity and film structure in 4He adsorbed on graphite. <i>Physical Review B</i> , <b>1996</b> , 53, 2701-2718	3.3	91
155	Quantum correction to the BKT transition for 2D easy-plane antiferromagnets. <b>1996</b> , 79, 4638		8
154	Possible two-dimensionalXYspin/gauge glasses on periodic and quasiperiodic lattices. <b>1997</b> , 9, 7141-71	59	7
153	Critical point in a two-dimensional planar model. <i>Physical Review E</i> , <b>1997</b> , 55, 4982-4989	2.4	
152	Dipolar-induced planar anisotropy in ultrathin magnetic films. <i>Physical Review B</i> , <b>1997</b> , 55, 15108-15118	3.3	74
151	Phase transitions in high-Tc superconductors and the anisotropic three-dimensional XY model. <i>Physical Review B</i> , <b>1997</b> , 55, 11766-11777	3.3	14
150	Magnetic fluctuations in a finite two-dimensional model. <b>1997</b> , 30, 8363-8378		38
149	Thermodynamics of two-dimensional XXZ easy-plane quantum Heisenberg magnets. <b>1997</b> , 81, 4137-41	39	3
148	Classical planar model on frustrated two-dimensional quasiperiodic lattices: possibility of spin/gauge glass phase. <b>1997</b> , 239, 156-165		
147	Lyapunov instability in the extended XY-model: Equilibrium and nonequilibrium molecular dynamics simulations. <b>1997</b> , 237, 95-112		18
146	Universality of rare fluctuations in turbulence and critical phenomena. <b>1998</b> , 396, 552-554		235

145	Inhomogeneity of vortex charge in the 2D classical XY model. <b>1998</b> , 241, 127-130	3
144	Monte Carlo study of theXY-model on Penrose lattices. <b>1998</b> , 10, 2303-2321	10
143	Hamiltonian dynamics and the phase transition of the XY model. <i>Physical Review E</i> , <b>1998</b> , 57, 6377-6389 2.4	33
142	Free vortex and vortex-pair lifetimes in classical two-dimensional easy-plane magnets. <b>1998</b> , 10, 7453-7465	3
141	Canted antiferromagnetic and spin-singlet quantum Hall states in double-layer systems. <i>Physical Review B</i> , <b>1998</b> , 58, 4672-4693	86
140	Heat Capacity and Superfluid Density of Thin 4He Films on Porous Gold and on H2. <b>1998</b> , 80, 4482-4485	23
139	Universal short-time behavior of the dynamic fully frustrated XY model. <i>Physical Review E</i> , <b>1998</b> , 57, 132 <b>2-</b> 433	3425
138	Object orientation and visualization of physics in two dimensions. <b>1998</b> , 12, 274	
137	. <b>1999</b> , 11, R179-R213	34
136	Computer simulation studies of magnetic phase transitions. <b>1999</b> , 200, 231-247	17
135	Essential finite-size effect in the two-dimensional XY model. <i>Physical Review B</i> , <b>1999</b> , 60, 11761-11764 3.3	26
134	One-Sided Polarization and Renormalization Flow in the KosterlitzThouless Phase Transition. <b>1999</b> , 59, 1843-1866	1
133	Monte Carlo Methods. <b>1999</b> , 195-270	1
132	Long range order in two-dimensional spin models with long range interactions. <b>1999</b> , 85, 6082-6084	5
131	Phase Diagram of Ising-Like Heisenberg Model on the Triangular Lattice with Degenerate Orbital Effect. <b>2000</b> , 69, 2250-2260	2
130	Defect fugacity, spin-wave stiffness and T c of the 2d planar rotor model. <b>2000</b> , 50, 668-673	6
129	Order parameter for two-dimensional critical systems with boundaries. <i>Physical Review B</i> , <b>2000</b> , 61, 14425314	4 <u>33</u>
128	Phase behavior of two-dimensional hard rod fluids. <b>2000</b> , 112, 10034-10041	192

127	Hamiltonian dynamics and geometry of phase transitions in classical XY models. <i>Physical Review E</i> , <b>2000</b> , 61, 5171-90	2.4	22
126	Finite-size effects on the Hamiltonian dynamics of the XY -model. <b>2001</b> , 55, 512-517		5
125	Magnetic fluctuations in the classical XY model: the origin of an exponential tail in a complex system. <i>Physical Review E</i> , <b>2001</b> , 63, 041106	2.4	106
124	Monte Carlo study of a bond-diluted q-state clock model: A simple representation for the glass transition. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	2
123	9.12.4.1 Static critical behaviour. 349-402		
122	Finite size scaling in the two-dimensional XY model and generalized universality. <i>Physical Review E</i> , <b>2002</b> , 66, 026108	2.4	11
121	Role of pointlike topological excitations at criticality: From vortices to global monopoles. <i>Physical Review E</i> , <b>2002</b> , 65, 066117	2.4	6
120	Low-temperature thermodynamic study of the diluted planar rotator model using a self-consistent harmonic approximation. <b>2002</b> , 248, 62-67		18
119	Monte Carlo study of the Ni(C5H5N)2Ni(CN)4-2d compound. 2002, 123, 201-204		
118	Finite size scaling in the planar Lebwohl[lasher model. <b>2003</b> , 312, 397-410		24
117	Short-range exchange and long-range dipole interactions in a triangular planar model. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	6
116	Nonequilibrium relaxation analysis of Kosterlitz-Thouless phase transition. <i>Physical Review E</i> , <b>2003</b> , 67, 026702	2.4	30
115	Anisotropy in the helicity modulus of a three-dimensionalXY-model: application to YBCO. <b>2003</b> , 15, 220	07-221	2 1
114	Finite-temperature renormalization group analysis of interaction effects in 2D lattices of Bose <b>E</b> instein condensates. <b>2004</b> , 37, S265-S274		5
113	Monte Carlo simulation of a planar rotator model with symmetry-breaking fields. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	24
112	Berezinskii-Kosterlitz-Thouless transition and BCS-Bose crossover in the two-dimensional attractive Hubbard model. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	22
111	Behaviour of topological charges in the phase transitions exhibited by two planar lattice models. <b>2004</b> , 324, 337-343		3
110	Helicity modulus and vortex density in the two-dimensional easy-plane Heisenberg model on a square lattice. <b>2005</b> , 135, 95-98		11

109	A simulation study of energy transport in the HamiltonianXYmodel. 2005, 2005, P05006		8
108	Monte Carlo study of the Kosterlitz-Thouless transition in the Heisenberg model with antisymmetric exchange interactions. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	2
107	Extinction of the Berezinskii-Kosterlitz-Thouless phase transition by nonmagnetic disorder in planar symmetry spin models. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	42
106	Micromagnetic modeling studies on the effects of stress on magnetization reversal and dynamic hysteresis. <b>2006</b> , 301, 458-468		28
105	Direct test of defect-mediated laser-induced melting theory for two-dimensional solids. <i>Physical Review E</i> , <b>2006</b> , 73, 011507	2.4	15
104	Berezinskii-Kosterlitz-Thouless transition in two-dimensional lattice gas models. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	9
103	MICROCANONICAL MONTE CARLO STUDY OF FIRST-ORDER TRANSITION IN A 2D CLASSICAL XY-MODEL. <b>2007</b> , 21, 3591-3600		5
102	Chiral lattice gauge theories and the strong coupling dynamics of a Yukawa-Higgs model with Ginsparg-Wilson fermions. <b>2007</b> , 2007, 076-076		20
101	Quasi-long-range ordering in a finite-size 2D classical Heisenberg model. <b>2007</b> , 40, 3741-3748		7
100	Density of states of a two-dimensional XY model from the Wang-Landau algorithm. <i>Physical Review E</i> , <b>2007</b> , 75, 041115	2.4	10
99	First-order phase transitions in classical lattice gas spin models. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	10
98	Monte Carlo Calculations on Phase Transitions in Adsorbed Layers. <b>2007</b> , 91-152		26
97	Nonequilibrium relaxation method. <b>2007</b> , 40, R149-R203		62
96	Theory of Magnetic Phase Transitions. 2007,		
95	The 2D XY model on a finite lattice with structural disorder: quasi-long-range ordering under realistic conditions. <b>2007</b> , 56, 93-105		11
94	Phase transition in finite systems of 3D planar spin model with modified potential. <b>2007</b> , 367, 35-39		
93	Revisiting glueball wave functions at zero and finite temperature. 2008, 54, 475-481		3
92	Doubly degenerate orbital system in honeycomb lattice: Implication of orbital state in layered iron oxide. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	29

91	Magnetic ordering in the double-layered molecular magnet Cu(tetren)[W(CN)8]: Single-crystal study. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	27
90	Temperature dependence of the order parameter of cuprate superconductors. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	18
89	Magnetic monopole and string excitations in two-dimensional spin ice. <b>2009</b> , 106, 063913		85
88	The isotropic-to-nematic transition in a two-dimensional fluid of hard needles: a finite-size scaling study. <b>2009</b> , 72, 225-231		26
87	Monte Carlo study of the XY-model on Sierpinski gasket. <b>2010</b> , 83, 572-580		3
86	1D goes 2D: A BerezinskiikosterlitzThouless transition in superconducting arrays of 4-Angstrom carbon nanotubes. <b>2010</b> , 247, 2968-2973		2
85	Spin vortices and vacancies: Interactions and pinning on a square lattice. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	
84	Superconducting resistive transition in coupled arrays of 4\textcarbon nanotubes. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	31
83	First-Order Phase Transition with Breaking of Lattice Rotation Symmetry in Continuous-Spin Model on Triangular Lattice. <b>2011</b> , 80, 074008		12
82	Vortex lines distribution in inhomogeneous lattices. <b>2011</b> , 109, 3037-3047		
81	Microcanonical relation between continuous and discrete spin models. <b>2011</b> , 106, 057208		12
80	New ordered phases in a class of generalized XY models. <b>2011</b> , 106, 067202		31
79	The absence of phase transition for the classical XY-model on Sierpi□ ki pyramid with fractal dimension D=2. <b>2011</b> , 84, 85-93		2
78	Superfluid density in quasi-one-dimensional systems. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	9
77	Spin-ice phase in a modified XY model. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	10
76	Quench-induced Mott-insulator-to-superfluid quantum phase transition. <b>2012</b> , 85,		8
75	Deconfinement in ( mathcal{N}=1 ) super Yang-Mills theory on ( ${\text{mathbb}(R)}^3$ times ${\text{mathbb}(S)}^1$ ) via dual-Coulomb gas and ${\text{mathbb}(S)}^2$		33
74	The SU(3)/Z3 QCD(adj) deconfinement transition via the gauge theory/日ffineIXY-model duality. <b>2013</b> , 2013, 1		16

73	Phase diagram of ferromagnetic XY model with nematic coupling on a triangular lattice. <b>2013</b> , 340, 127-130	11
72	Theory of Phase Transitions: From Magnets to Biomembranes. <b>2013</b> , 17, 237-285	10
71	BerezinskiikosterlitzII houless transition with a constraint lattice action. 2013, 2013, P12009	7
70	MONTE CARLO STUDY OF THE XY-MODEL ON SIERPI□ SKI CARPET. <b>2014</b> , 25, 1350087	1
69	Universality of the BerezinskiikosterlitzIIhouless type of phase transition in the dipolar XY-model. <b>2014</b> , 16, 053011	7
68	Kosterlitz-Thouless and Potts transitions in a generalized XY model. <i>Physical Review E</i> , <b>2014</b> , 89, 012126 2.4	15
67	Tensor renormalization group study of classical XY model on the square lattice. <i>Physical Review E</i> , <b>2014</b> , 89, 013308	43
66	Numerical studies on critical properties of the Kosterlitz-Thouless phase for the gauge glass model in two dimensions. <i>Physical Review E</i> , <b>2014</b> , 89, 022122	4
65	Absence of phase transition in the XY-model on Menger sponge. <b>2014</b> , 399, 89-97	
64	Specific heat in two-dimensional melting. <b>2014</b> , 113, 127801	39
63	Specific heat in two-dimensional melting. <b>2014</b> , 113, 127801  Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. <b>2015</b> , 2015, P11018	39 6
	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. <b>2015</b> ,	
63	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. <b>2015</b> , 2015, P11018  Classical lattice spin models involving singular interactions isotropic in spin space. <i>Physical Review E</i>	
63	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. <b>2015</b> , 2015, P11018  Classical lattice spin models involving singular interactions isotropic in spin space. <i>Physical Review E</i> , <b>2015</b> , 92, 012135  Competing nematic interactions in a generalized XY model in two and three dimensions. <i>Physical</i>	6
63 62 61	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. <b>2015</b> , 2015, P11018  Classical lattice spin models involving singular interactions isotropic in spin space. <i>Physical Review E</i> , <b>2015</b> , 92, 012135  Competing nematic interactions in a generalized XY model in two and three dimensions. <i>Physical Review E</i> , <b>2016</b> , 94, 032140  2.4	17
63 62 61 60	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. 2015, 2015, P11018  Classical lattice spin models involving singular interactions isotropic in spin space. Physical Review E, 2015, 92, 012135  Competing nematic interactions in a generalized XY model in two and three dimensions. Physical Review E, 2016, 94, 032140  Quantum decay of the persistent current in a Josephson junction ring. Physical Review B, 2016, 93, 3.3	6 17 4
63 62 61 60	Fluctuation relations for equilibrium states with broken discrete or continuous symmetries. 2015, 2015, P11018  Classical lattice spin models involving singular interactions isotropic in spin space. Physical Review E, 2015, 92, 012135  Competing nematic interactions in a generalized XY model in two and three dimensions. Physical Review E, 2016, 94, 032140  Quantum decay of the persistent current in a Josephson junction ring. Physical Review B, 2016, 93, 3-3  Topological Point Defects in Relaxor Ferroelectrics. 2016, 116, 127601  Thermodynamics of the two-dimensional XY model from functional renormalization. Physical	6 17 4 11

55	Ordering kinetics in the random-bond XY model. <i>Physical Review E</i> , <b>2017</b> , 96, 042127	2.4	8
54	Emergent Berezinskii-Kosterlitz-Thouless Phase in Low-Dimensional Ferroelectrics. <b>2017</b> , 119, 117601		5
53	Smectic C and Nematic Phases in Strongly Adsorbed Layers of Semiflexible Polymers. <b>2017</b> , 17, 4924-49	928	16
52	Anisotropic superconductivity and magnetism in single-crystal RbEuFe4As4. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	24
51	Incommensurability and phase transitions in two-dimensional XY models with Dzyaloshinskii-Moriya interactions. <i>Physical Review E</i> , <b>2018</b> , 97, 052118	2.4	3
50	Monte Carlo Methods. <b>2018</b> , 261-338		
49	Tuning vortex fluctuations and the resistive transition in superconducting films with a thin overlayer. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
48	Strongly fluctuating moments in the high-temperature magnetic superconductor RbEuFe4As4. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	14
47	Ferromagnetism-induced phase separation in a two-dimensional spin fluid. <b>2019</b> , 150, 154501		4
46	Approaching the Kosterlitz-Thouless transition for the classical XY model with tensor networks. <i>Physical Review E</i> , <b>2019</b> , 100, 062136	2.4	3
45	The Magnetic Properties of a Centered Rectangular Lattice with Mixed Spins Using XY Model. <b>2020</b> , 33, 545-552		0
44	End-to-end machine learning for experimental physics: using simulated data to train a neural network for object detection in video microscopy. <b>2020</b> , 16, 1751-1759		8
43	Velocity and Speed Correlations in Hamiltonian Flocks. <b>2020</b> , 124, 198001		3
42	Berezinskii-Kosterlitz-Thouless phase in two-dimensional ferroelectrics. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	6
41	Order by disorder: saving collective motion from topological defects in a conservative model. <b>2020</b> , 2020, 013209		2
40	Geometrical and topological study of the KosterlitzII houless phase transition in the XY model in two dimensions. <b>2021</b> , 2021, 023206		O
39	Superfluid Transition and Specific Heat of the 2D x-y Model: Monte Carlo Simulation. <b>2021</b> , 11, 4931		1
38	Synchronization transition in the two-dimensional Kuramoto model with dichotomous noise. <b>2021</b> , 31, 083102		2

## (2013-2021)

37	Machine learning detection of Berezinskii-Kosterlitz-Thouless transitions in q-state clock models. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	О
36	Nature of Phase Transitions Related to Stacked Hexatic Phases in Liquid Crystals. <b>1992</b> , 78-136		3
35	Two-Dimensional Coulomb Gas and Connections to Superconducting Films. <b>1984</b> , 287-324		1
34	Magnetic phenomena in layered and intercalated compounds. <b>1987</b> , 79-103		3
33	Roughening and Melting in Two Dimensions. <b>1987</b> , 223-240		2
32	Numerical Study of Critical Exponents for Kosterlitz-Thouless Transition Systems. <i>Springer Proceedings in Physics</i> , <b>2004</b> , 106-112	0.2	3
31	Monte Carlo Measurement of the Single Vortex Free Energy in the Kosterlitz-Thouless Theory. <b>1981</b> , 97-103		1
30	Vortex Dynamics in Two-Dimensional Arrays of Superconducting Weak Links. <b>1987</b> , 361-373		3
29	Magnetic Intercalation Compounds of Graphite. <b>1992</b> , 247-345		3
28	Monte Carlo Studies of Critical and Multicritical Phenomena. <b>1984,</b> 93-123		1
27	Roughening and Melting in Two Dimensions. <b>1984</b> , 223-240		3
26	Phase Transitions in Quasi Two-Dimensional Planar Magnets. <b>1990</b> , 271-321		23
25	Field-Induced Phenomena in Two-Dimensional Weakly Anisotropic Heisenberg Antiferromagnets. <b>1990</b> , 379-404		7
24	Liquid Crystal Lattice Models I. Bulk Systems. <b>2000</b> , 99-119		6
23	Effects of action at a distance in water. <b>2020</b> , 63, 440-486		3
22	Phase transitions in two'dimensional systems with continuous degeneracy. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2006</b> , 176, 233	0.5	22
21	Resolving the Berezinskii-Kosterlitz-Thouless transition in the two-dimensional XY model with tensor-network-based level spectroscopy. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	О
20	Nature of First-Order Transition in Planar Rotator Model with Modified Potential. <b>2013</b> , 04, 140-145		

Parallel Computing in Lattice Theory. 1986, 281-293 19 Decoupled Cell Monte Carlo Method for Quantum Spin Systems. 1987, 153-162 18 Critical Properties of the Two-Dimensional Spin-1/2 XY Ferromagnet. 1987, 75-85 17 4 Monte Carlo Studies of Critical and Multicritical Phenomena. 1987, 93-123 16 References. 1988, 20, 449-466 15 Superfluidity of a Two-Dimensional Bose-Coulomb Gas. Springer Proceedings in Physics, 1988, 157-165 14 Vortex-Antivortex Pairing of Holes in Frustrated XY Spin Systems. 1990, 121-130 13 VORTEX DYNAMICS OF TWODIMENSIONAL XYMAGNET. 1991, 205-208 12 Berezinskii-Kosterlitz-Thouless Transition in two-Dimensional X X Z Easy-Plane Quantum 11 Heisenberg Magnets. 1997, 397-404 Effects of action at a distance in water. Uspekhi Fizicheskikh Nauk, 2020, 190, 475-524 10 0.5 9.12.4.4 References for 9.12.4. 485-503 9 Domain growth and aging in the random field XY model: A Monte Carlo study. Physical Review E, 2.4 **2021**, 104, 044123 Machine learning of the XY model on a spherical Fibonacci lattice. Physical Review Research, 2022, 4, 3.9 Nghiĥ cuu chuyen pha trong mîhlih XYh4 bang phlig phli mîphong monte carlo. 2022, 58, 182-187 Finite-size scaling in mean-field equal-coupling photonic networks. 2022, 5  $\circ$ Continuous-mixture autoregressive networks learning the Kosterlitz-Thouless transition. The BKT Transition and its Dynamics in a Spin Fluid. O Continuous symmetry breaking in a two-dimensional Rydberg array.

Collective response to local perturbations: how to evade threats without losing coherence. **2023**, 20, 035003

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