Aleksandr V Shapovalov

List of Publications by Year
in descending order

149	522	758635 12	839053 18
papers	citations	h-index	g-index

149	149	149	130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Family of Asymptotic Solutions to the Two-Dimensional Kinetic Equation with a Nonlocal Cubic Nonlinearity. Symmetry, 2022, 14, 577.	1.1	3
2	Semiclassical Spectral Series Localized on a Curve for the Grossâ€“Pitaevskii Equation with a Nonlocal Interaction. Symmetry, 2021, 13, 1289.	1.1	2
3	Semiclassical Approach to the Nonlocal Kinetic Model of Metal Vapor Active Media. Mathematics, 2021, 9, 2995.	1.1	5
4	Examples of Asymptotic Solutions Obtained by the Complex Germ Method for the One-Dimensional Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskyâ€“Piskunov Equation. Russian Physics Journal, 2021, 64, 1542-1552.	0.2	0
5	Non-Commutative Integration of the Dirac Equation in Homogeneous Spaces. Symmetry, 2020, 12, 1867.	1.1	17
6	The Grossâ€“Pitaevskii Equation with a Nonlocal Interaction in a Semiclassical Approximation on a Curve. Symmetry, 2020, 12, 201.	1.1	4
7	Adomian Decomposition Method for the One-dimensional Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskyâ€“Piskunov Equation. Russian Physics Journal, 2019, 62, 710-719.	0.2	5
8	Adomyan Decomposition Method for a Two-Component Nonlocal Reaction-Diffusion Model of the Fisherâ€“Kolmogorovâ€“Petrovskyâ€“Piskunov Type. Russian Physics Journal, 2019, 62, 835-847.	0.2	1
9	Approximate Solutions and Symmetry of a Two-Component Nonlocal Reaction-Diffusion Population Model of the Fisherâ€“KPP Type. Symmetry, 2019, 11, 366.	1.1	6
10	Vacuum quantum effects on Lie groups with bi-invariant metrics. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950122.	0.8	3
11	Long Horizontal Vapordynamic Thermosyphons for Renewable Energy Sources. Heat Transfer Engineering, 2019, 40, 258-266.	1.2	3
12	An application of the Maslov complex germ method to the one-dimensional nonlocal Fisherâ€“KPP equation. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850102.	0.8	9
13	One-Dimensional Fokkerâ€“Planck Equation with Quadratically Nonlinear Quasilocal Drift. Russian Physics Journal, 2018, 60, 2063-2072.	0.2	0
14	Symmetry operators and separation of variables in the (2 + 1)-dimensional Dirac equation with external electromagnetic field. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850085.	0.8	6
15	Approximate Solutions of the One-Dimensional Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“ Piskunov Equation with Quasilocal Competitive Losses. Russian Physics Journal, 2018, 60, 1461-1468.	0.2	2
16	Influence of the Environment on Pattern Formation in the One-Dimensional Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov Model. Russian Physics Journal, 2018, 61, 1093-1099.	0.2	4
17	Some Aspects of Nonlinearity and Self-Organization In Biosystems on Examples of Localized Excitations in the DNA Molecule and Generalized Fisherâ€“KPP Model. Symmetry, 2018, 10, 53.	1.1	9
18	Diagnosis of oral lichen planus from analysis of saliva samples using terahertz time-domain spectroscopy and chemometrics. Journal of Biomedical Optics, 2018, 23, 1.	1.4	14

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19	The kernel construction for the biomedical data classification using support vector machine. , 2018, , .		1
20	Noncommutative Integrability of the Kleinâ€“Gordon and Dirac Equations in (2+1)-Dimensional Spacetime. Russian Physics Journal, 2017, 59, 1956-1961.	0.2	3
21	Diagnostics of oral lichen planus based on analysis of volatile organic compounds in saliva. , 2017, , .		1
22	Quasistationary Solution of a Two-Component Hyperbolic System on an Interval. Russian Physics Journal, 2017, 59, 1349-1356.	0.2	0
23	Symmetries of the One-Dimensional Fokkerâ€“Planckâ€“Kolmogorov Equation with a Nonlocal Quadratic Nonlinearity. Russian Physics Journal, 2017, 60, 284-291.	0.2	2
24	Symmetry operators of the two-component Grossâ€”Pitaevskii equation with a Manakov-type nonlocal nonlinearity. Journal of Physics: Conference Series, 2016, 670, 012046.	0.3	1
25	Possibilities of laser spectroscopy for monitoring the profile dynamics of the volatile metabolite in exhaled air. Proceedings of SPIE, 2016, , .	0.8	0
26	Thermal Action of the Nanoparticle Heated by Pulse-Periodic Laser Radiation on a Biotissue. Russian Physics Journal, 2016, 59, 1219-1224.	0.2	0
27	Asymptotics semiclassically concentrated on curves for the nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov equation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 305203.	0.7	7
28	The Dirac equation in an external electromagnetic field: symmetry algebra and exact integration. Journal of Physics: Conference Series, 2016, 670, 012015.	0.3	13
29	Kalman filtering in the problem of noise reduction in the absorption spectra of exhaled air. , 2016, , .		1
30	Wavelet based de-noising of breath air absorption spectra profiles for improved classification by principal component analysis. AIP Conference Proceedings, 2015, , .	0.3	2
31	Quasiparticles Described by the Grossâ€“Pitaevskii Equation in the Semiclassical Approximation. Russian Physics Journal, 2015, 58, 606-615.	0.2	0
32	Local conformational perturbations of the DNA molecule in the SG-model. AIP Conference Proceedings, 2015, , .	0.3	0
33	Solutions of nonlocal nonlinear diffusion equations in data filtering problems. AIP Conference Proceedings, 2015, , .	0.3	0
34	Comparison of classification methods used for analysis of complex biological gas mixtures by means of laser spectroscopy. Proceedings of SPIE, 2015, , .	0.8	1
35	Determination of component concentrations in models of exhaled air samples using principal component analysis and canonical correlation analysis. , 2015, , .		5
36	Thermal interaction of biological tissue with nanoparticles heated by laser radiation. , 2015, , .		1

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37	Quantitative comparison of the absorption spectra of the gas mixtures in analogy to the criterion of Pearson. , 2015, , .		0
38	Statistical approach to the analysis of the composition of multicomponent gas mixtures using absorption laser spectroscopy. Proceedings of SPIE, 2015, , .	0.8	0
39	Analysis of the component composition of exhaled air using laser spectroscopy and canonical correlation analysis. , 2015, , .		2
40	Asymptotics of the Multidimensional Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov Equation Near a Quasistationary Solution. Russian Physics Journal, 2015, 58, 952-958.	0.2	0
41	Asymptotic Behavior of the One-Dimensional Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov Equation with Anomalouos Diffusion. Russian Physics Journal, 2015, 58, 399-409.	0.2	0
42	Applications of principal component analysis to breath air absorption spectra profiles classification. , 2015, , .		12
43	Solutions of the Grossâ€“Pitaevskii Equation in Prolate Spheroidal Coordinates. Russian Physics Journal, 2015, 57, 1201-1209.	0.2	0
44	Pattern formation in terms of semiclassically limited distribution on lower dimensional manifolds for the nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov equation. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 025209.	0.7	11
45	Symmetry Operators of the Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov Equation with a Quadratic Operator. Russian Physics Journal, 2014, 56, 1415-1426.	0.2	2
46	Yang-Mills gauge fields conserving the symmetry algebra of the Dirac equation in a homogeneous space. Journal of Physics: Conference Series, 2014, 563, 012004.	0.3	8
47	Estimate of Accuracy of Solution of the Nonlocal Fisherâ€“Kolomogorovâ€“Petrovskiiâ€“Piskunov Equation. Russian Physics Journal, 2013, 55, 1425-1433.	0.2	2
48	HEAT TRANSFER ENHANCEMENT IN MINI CHANNELS WITH MICRO/NANO PARTICLES DEPOSITED ON A HEAT-LOADED WALL. Journal of Enhanced Heat Transfer, 2012, 19, 13-24.	0.5	12
49	Equivalent Lagrangian densities and invariant collective coordinates equations. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 065204.	0.7	3
50	Semiclassical approximation for the twodimensional Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“ Piskunov equation with nonlocal nonlinearity in polar coordinates. Russian Physics Journal, 2011, 53, 1243-1253.	0.2	0
51	Evolution of initial distributions with one and two centers in a two-dimensional model of the reaction-diffusion type with a nonlocal interaction of finite radius. Russian Physics Journal, 2011, 54, 32-38.	0.2	6
52	Numerical simulation of the one-dimensional population dynamics with nonlocal competitive losses and convection. Russian Physics Journal, 2011, 54, 479-484.	0.2	6
53	The one-dimensional Fisherâ€“Kolmogorov equation with a nonlocal nonlinearity in a semiclassical approximation. Russian Physics Journal, 2009, 52, 899-911.	0.2	20
54	Formalism of semiclassical asymptotics for a two-component Hartree-type equation. Russian Physics Journal, 2009, 52, 1068-1076.	0.2	1

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55	Modulation of the velocity of soliton-like perturbations for the sineâ€“Gordon equation with external force and dissipation. Russian Physics Journal, 2009, 52, 1331-1338.	0.2	0
56	Kink velocity in nonstationary external fields for the sine-Gordon model with allowance for dissipation effects. Russian Physics Journal, 2008, 51, 89-98.	0.2	6
57	Kink dynamics in the medium with a random force and dissipation in the sine-Gordon model. Russian Physics Journal, 2008, 51, 158-167.	0.2	1
58	Characteristics of random systems of linear equations over a finite field. Discrete Mathematics and Applications, 2008, 18, .	0.1	0
59	Consistency and an algorithm recognising inconsistency of realisations of a system of random discrete equations with two-valued unknowns. Discrete Mathematics and Applications, 2008, 18, .	0.1	0
60	Nonlinear Fokker-Planck Equation in the Model of Asset Returns. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	0
61	Berry phases for 3D Hartree-type equations with a quadratic potential and a uniform magnetic field. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11129-11149.	0.7	0
62	Soliton fractals in the Kortewegâ€“de Vries equation. Physical Review E, 2007, 76, 046612.	0.8	4
63	Formation, control, and dynamics ofNlocalized structures in the Peyrard-Bishop model. Physical Review E, 2007, 76, 066603.	0.8	21
64	The cycle structure of a random nonhomogeneous hypergraph on the subcritical stage of evolution. Discrete Mathematics and Applications, 2007, 17, .	0.1	1
65	Quasi-energy spectral series for a nonlocal Gross-Pitaevskii equation. Russian Physics Journal, 2007, 50, 695-709.	0.2	1
66	Symmetry Operators for the Fokker-Plank-Kolmogorov Equation with Nonlocal Quadratic Nonlinearity. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2007, , .	0.5	4
67	A semiclassical approximation for the nonstationary two-dimensional nonlinear SchrÃ¶dinger equation with an external field in polar coordinates. Russian Physics Journal, 2006, 49, 734-743.	0.2	0
68	Berry phases for the nonlocal Grossâ€“Pitaevskii equation with a quadratic potential. Journal of Physics A, 2006, 39, 1191-1206.	1.6	7
69	The distributions of the numbers of finite subgraphs in random nonhomogeneous hypergraphs. Discrete Mathematics and Applications, 2006, 16, .	0.1	2
70	Symmetry operators of a Hartree-type equation with quadratic potential. Siberian Mathematical Journal, 2005, 46, 119-132.	0.2	2
71	The Nonlinear Schrodinger Equation for a Many-Dimensional System in an Oscillator Field. Russian Physics Journal, 2005, 48, 746-753.	0.2	0
72	Exact Solutions and Symmetry Operators for the Nonlocal Gross-Pitaevskii Equation with Quadratic Potential. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2005, , .	0.5	5

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73	The evolution operator of the Hartree-type equation with a quadratic potential. Journal of Physics A, 2004, 37, 4535-4556.	1.6	13
74	Stochastic dynamics of atoms in a resonant light field in the quasi-classical approximation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2004, 97, 80-87.	0.2	0
75	The Geometric Phases and Quasienergy Spectral Series of a Hartree-Type Equation with a Quadratic Potential. Russian Physics Journal, 2004, 47, 405-413.	0.2	0
76	Green's Function of a Hartree-Type Equation with a Quadratic Potential. Theoretical and Mathematical Physics(Russian Federation), 2004, 141, 1528-1541.	0.3	1
77	Investigation of Discharge Channel Elongation under Thermal Dielectric Breakdown. Russian Physics Journal, 2003, 46, 91-95.	0.2	0
78	The trajectory-coherent approximation and the system of moments for the Hartree type equation. International Journal of Mathematics and Mathematical Sciences, 2002, 32, 325-370.	0.3	32
79	Semiclassical Trajectory-Coherent Approximations of Hartree-Type Equations. Theoretical and Mathematical Physics(Russian Federation), 2002, 130, 391-418.	0.3	12
80	Dynamics of the Thermal Instability Evolution in Dielectric Breakdown. Russian Physics Journal, 2001, 44, 48-54.	0.2	5
81	Janes approach to the dynamics of Darwin systems. Russian Physics Journal, 2000, 43, 488-492.	0.2	0
82	Hamiltonian approach to the dynamics of a chemostat. Russian Physics Journal, 2000, 43, 568-575.	0.2	0
83	IntegrableN-dimensional systems on the Hopf algebra andq-deformations. Theoretical and Mathematical Physics(Russian Federation), 2000, 124, 1172-1186.	0.3	2
84	Semiclassical trajectory-coherent states of the nonlinear SchrÃ¶dinger equation with unitary nonlinearity. Russian Physics Journal, 1999, 42, 598-606.	0.2	1
85	Soliton formation in a resonant amplifyingâ€"absorbing medium. Quantum Electronics, 1999, 29, 894-898.	0.3	1
86	Reduction of quantum analogs of Hamiltonian systems described by Lie algebras to orbits in a coadjoint representation. Russian Physics Journal, 1998, 41, 460-464.	0.2	0
87	Noncommutative solutions of the d'Alembert equation. Russian Physics Journal, 1998, 41, 528-533.	0.2	0
88	Hamiltonian approach to the dynamics of Darwinian systems. Russian Physics Journal, 1997, 40, 610-615.	0.2	0
89	The method of noncommutative integration for linear differential equations. Functional algebras and noncommutative dimensional reduction. Theoretical and Mathematical Physics(Russian Federation), 1996, 106, 1-10.	0.3	17
90	Local symmetry algebra of the schrÃ¶dinger equation for the hydrogen atom. Theoretical and Mathematical Physics(Russian Federation), 1996, 106, 227-236.	0.3	2

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91	Spectral distortions of optical pulses in resonant media of complex spatial structure. Russian Physics Journal, 1996, 39, 435-441.	0.2	0
92	Spontaneous soliton production by an optical pulse with a nonlinear shift of the carrier frequency. Russian Physics Journal, 1996, 39, 815-819.	0.2	0
93	Noncommutative integration of linear differential equations. Theoretical and Mathematical Physics(Russian Federation), 1995, 104, 921-934.	0.3	51
94	Quadratic mapping with periodically disturbed parameter. Russian Physics Journal, 1995, 38, 1099-1103.	0.2	0
95	Integration of the d'Alembert equation by means of four-dimensional nonabelian symmetry subalgebras with a single second-order operator. Russian Physics Journal, 1995, 38, 804-807.	0.2	0
96	Quadratic algebras and noncommutative integration of Klein-Gordon equations in non-steckel Riemann spaces. Russian Physics Journal, 1995, 38, 508-512.	0.2	0
97	Noncommutative 5-dimensional subalgebras of a conformal algebra integrable in R1,3. Russian Physics Journal, 1995, 38, 641-645.	0.2	0
98	Propagation of a soliton-like pulse in a weakly nonlinear medium. Russian Physics Journal, 1995, 38, 359-363.	0.2	0
99	Noncommutative four-dimensional subalgebras of conformal algebra integrable in the space R1,3. Russian Physics Journal, 1995, 38, 209-212.	0.2	0
100	Quadratic algebras applied to noncommutative integration of the Klein-Gordon equation: Four-dimensional quadratic algebras containing three-dimensional nilpotent lie algebras. Russian Physics Journal, 1995, 38, 299-303.	0.2	0
101	The probability of consistency of systems of random Boolean equations. Discrete Mathematics and Applications, 1995, 5, .	0.1	2
102	ABSORPTION OF OPTICAL PULSES UNDER PROPAGATION THROUGH ONE-DIMENSIONAL RESONANT FRACTAL CLUSTERS. Fractals, 1994, 02, 553-556.	1.8	1
103	Transmission of quantum particles through a one-dimensional fractal potential barrier. Russian Physics Journal, 1993, 36, 703-708.	0.2	2
104	Interaction of electromagnetic waves with fractal structures. Russian Physics Journal, 1993, 36, 955-964.	0.2	0
105	Classification of F algebras and noncommutative integration of the Klein-Gordon equation in Riemannian spaces. Russian Physics Journal, 1993, 36, 36-40.	0.2	0
106	Using the complex WKB method for studying the evolution of initial pulses obeying the nonlinear Schrï¿½dinger equation. Russian Physics Journal, 1993, 36, 431-437.	0.2	0
107	Reduction and noncommutative integration of linear differential equations. Russian Physics Journal, 1993, 36, 1059-1063.	0.2	0
108	Application of approximate symmetries to the construction of solutions of classical and quantum Hamiltonian systems. Russian Physics Journal, 1993, 36, 806-808.	0.2	1

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109	Symmetry algebras of linear differential equations. Theoretical and Mathematical Physics(Russian) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	20
110	Effect of initial pulse shape modulation on spontaneous soliton formation in the NSE model. Russian Physics Journal, 1992, 35, 508-513.	0.2	0
111	Nonlinear Poisson bracket, F-algebras, and noncommutative integration of linear differential equations. Russian Physics Journal, 1992, 35, 661-666.	0.2	0
112	Noncommutative integration of quantum Euler equations on the Lie algebraso (4). Russian Physics Journal, 1992, 35, 1031-1036.	0.2	0
113	Noncommutative integration of the Dirac equation in Riemann spaces possessing a group of automorphisms. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	0
114	Enveloping algebra identities on solutions of conformally invariant wave equations. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1991, 34, 751-755.	0.0	0
115	Methods of generating integrable potentials for the Sochrï¿½dinger equation and nonlocal symmetries. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1991, 34, 755-761.	0.0	0
116	Representations of Lie algebras and the problem of noncommutative integrability of linear differential equations. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
117	Complete sets of symmetry operators containing a second-order operator and the problem of separation of variables in the wave equation. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Overlo	0.0	0
118	Some problems of symmetry of the Schrï¿½dinger equations. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	0
119	Separation of variables in the wave equation. Sets of the type (1.1) and Schrï¿½dinger equation. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1991, 34, 122-126.	0.0	0
120	Separation of variables in the wave equation. Sets of the type (1.1) and the algebra SU(1.2). Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1991, 34, 168-171.	0.0	0
121	Generation of new exactly solvable potentials of a nonstationary Schrï¿½dinger equation. Theoretical and Mathematical Physics(Russian Federation), 1991, 87, 635-640.	0.3	10
122	Separation of variables in the Dirac equation in Stackel spaces. II. External gauge fields. Classical and Quantum Gravity, 1991, 8, 163-173.	1.5	13
123	Noncqmmutative integration of Klein-Gordon and Dirac equations in Riemannian spaces with a group of motions. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.0	1
124	Subalgebras of the algebra of a conformal group with nontrivial center. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1990, 33, 416-419.	0.0	0
125	Commutative subalgebras of three first-order symmetry operators and separation of variables in the wave equation. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	1
126	Subalgebras of the Schrï¿½dinger algebra with nontrivial centers. Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.0	0

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127	Free Schrï¿½dinger equation analyzed in terms of the wave equation. Soviet Physics Journal (English) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	0
128	Identities on solutions of the wave equation in the enveloping algebra of the conformal group. Theoretical and Mathematical Physics(Russian Federation), 1990, 83, 347-353.	0.3	9
129	Separation of variables in the Dirac equation in Stackel spaces. Classical and Quantum Gravity, 1990, 7, 517-531.	1.5	20
130	Classification of the Dirac equation with an external SU(3) gauge field admitting a first-order symmetry operator of special type. Soviet Physics Journal (English Translation of Izvestiia Vysshykh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
131	Yang-Mills fields permitted by abelian complete sets of first-order symmetry operators of the Dirac equation. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.0	0
132	Propagation of optical pulses at an absorption line in the presence of a weak nonlinearity. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1989, 32, 106-109.	0.0	0
133	Symmetry of the Dirac equation with an external non-Abelian gauge field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1986, 29, 235-242.	0.0	0
134	Gravitation field in the Vaidya problem allowing separation of variables in the Hamilton-Jacobi equation. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.0	1
135	Special StÃckel electrovac spacetimes. Pramana - Journal of Physics, 1986, 26, 93-108.	0.9	15
136	Special Stï¿½ckel spaces of the electrovacuum. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	0
137	Stueckel spaces of the electrovacuum with two-parameter Abelian group of motions. Formulation of the problem and sets of the type (2.1). Soviet Physics Journal (English Translation of Izvestiia Vysshykh) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
138	Stueckel spaces of the electrovacuum with a two-parameter Abelian group of motions. Set of the type (2.0). Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1983, 26, 313-317.	0.0	0
139	New exact solutions of the Dirac equation. IX. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
140	Integrals of the motion for an electron in a quantized plane electromagnetic wave. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1977, 20, 233-237.	0.0	0
141	New exact solutions of the Dirac equations. VI. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	1
142	New exact solutions of the Dirac equation. VII. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	1
143	Separation of variables in the Klein-Gordon quation for superposition of a quantized and a classical field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1976, 19, 14-17.	0.0	0
144	Structure of a linear canonical transformation. Soviet Physics Journal (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	0.0	0

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145	New exact solutions of the Dirac equation. IV. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
146	Separation of variables in the Klein-Gordon equations. IV. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	3
147	Separation of variables in the Klein-gordon equations. III. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBT /Overl	0.0	4
148	Separation of variables in the Klein ? Gordon equation. I. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	6
149	Separation of variables in the Klein-Gordon equations. II. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBT /Overl	0.0	4