

Articles:

1. J.J.Slawianowski

More about determinism in Quantum Mechanics (in Polish)

Philosophical Studies, 48, 1, pp. 93-119, 1967.

2. J.J.Slawianowski

Quantum Relations Remaining Valid on the Classical Level

Reports on Mathematical Physics, 2, 1, pp. 11-34, 1971.

3. J.J.Slawianowski

Geometry of Van Vleck Ensembles

Reports on Mathematical Physics, 3, 3, pp. 157-172, 1972.

4. J.J.Slawianowski

Classical Pure States: Information and Symmetry in Statistical Mechanics

International Journal of Theoretical Physics, 8, 6, pp. 451-462, 1973.

5. J.J.Slawianowski

Abelian Groups and the Weyl Approach to Kinematics. Nonlocal Function-Algebras

Reports on Mathematical Physics, 5, 3, pp. 295-319, 1974.

6. J.J.Slawianowski

Analytical Mechanics of Finite Homogeneous Strains

Archives of Mechanics, 26, 4, pp. 569-587, 1974.

7. J.J.Slawianowski

The Mechanics of an Affinely-Rigid Body

International Journal of Theoretical Physics, 12, 4, pp. 271-296, 1975.

8. J.J.Slawianowski

Newtonian Dynamics of Homogeneous Strains

Archives of Mechanics, 27, 1, pp. 93-102, 1975.

9. J.J.Slawianowski

Newtonian Dynamics of Polynomial Deformations

Bulletin de l'Academie Polonaise des Sciences, Serie des sciences techniques, 23, 1, pp. 17-22, 1975.

10. J.J.Slawianowski

Homogeneously Deformable Body in a Curved Space

Bulletin de l'Academie Polonaise des Sciences, Serie des sciences techniques, 23, 2, pp. 43-47, 1975.

11. J.J.Slawianowski

Deformable Gyroscope in a Non-Euclidean Space. Classical Non-Relativistic Theory

Reports on Mathematical Physics, 10, 2, pp. 219-243, 1976.

12. J.J.Slawianowski

Bertrand Systems on $SO(3,R)$ and $SU(2)$

Bulletin de l'Académie Polonaise des Sciences, Série des sciences physiques et astronomiques, 28, 2, pp. 83-94, 1980.

13. J.J.Slawianowski, J. Ślomiński

Quantized Bertrand Systems on $SO(3,R)$ and $SU(2)$

Bulletin de l'Académie Polonaise des Sciences, Série des sciences physiques et astronomiques, 28, 2, pp. 99-108, 1980.

- 14. J.J.Sławianowski**
The Mechanics of the Homogeneously-Deformable Body. Dynamical Models with High Symmetries
Zeitschrift für Angewandte Mathematik und Mechanik, 62, pp. 229-240, 1982.
- 15. J.J.Sławianowski**
Field of Linear Frames as a Fundamental Self-Interacting System
Reports on Mathematical Physics, 22, 3, pp. 323-371, 1985.
- 16. J.J.Sławianowski**
Lie-Algebraic Solutions of Affinely-Invariant Equations for the Field of Linear Frames
Reports on Mathematical Physics, 23, 2, pp. 177-197, 1986.
- 17. J.J.Sławianowski**
Nonlinear Torsional Vibrations of Rigid Bodies
Archives of Mechanics, 39, 6, pp. 663-682, 1987.
- 18. J.J.Sławianowski**
Algorithms for Reactions of Nonholonomic Constraints and Servo-Constraints
Archives of Mechanics, 39, 6, pp. 645-662, 1987.
- 19. J.J.Sławianowski**
Affinely Rigid Body and Hamiltonian Systems on $GL(n,R)$
Reports on Mathematical Physics, 26, 1, pp. 73-119, 1988.
- 20. J.J.Sławianowski**
Controlling Agents in Dynamics of Rigid Bodies
Archives of Mechanics, 41, 5, pp. 659-678, 1989.
- 21. J.J.Sławianowski**
Space-Time as a Micromorphic Continuum
International Journal of Theoretical Physics, 29, 11, pp. 1177-1184, 1990.
- 22. A.Trzęsowski, J.J.Sławianowski**
Global Invariance and Lie-Algebraic Description in the Theory of Dislocations
International Journal of Theoretical Physics, 29, 11, pp. 1239-1249, 1990.
- 23. J.J.Sławianowski**
Nonholonomic Variational Problems and Heuristics of Control Forces
Theoretical and Applied Mechanics, 29, 3-4, pp. 661-670, 1991.
- 24. K.Frąckiewicz, M.Seredyńska, J.J.Sławianowski**
Controlled Motion of Finite Elements
Theoretical and Applied Mechanics, 29, 3-4, pp. 671-686, 1991.
- 25. J.J.Sławianowski**
 $GL(n,R)$ as a Candidate for Fundamental Symmetry in Field Theory
Il Nuovo Cimento, Giugno, 106B, 6, pp. 645-668, 1991.
- 26. A.K.Sławianowska, J.J.Sławianowski**
Quantization of Affinely Rigid Body in N Dimensions
Reports on Mathematical Physics, 29, 3, pp. 297-320, 1991.
- 27. J.J.Sławianowski**
Elimination of Scale from the Theory of Mutually Interacting Gravitational and Spinor Fields
Reports on Mathematical Physics, 33, 1/2, pp. 191-202, 1993.

28. J.J.Slawianowski, A.K.Slawianowska*Virial Coefficients, Collective Models and Problems with the Galerkin Procedure*

Archives of Mechanics, 45, 3, pp. 305-331, 1993.

29. J.J.Slawianowski*Internal Geometry, General Covariance and Generalized Born-Infeld Models. Part I. Scalar Fields*

Archives of Mechanics, 46, 3, pp. 375-397, 1994.

30. J.J.Slawianowski*Spinors, Gravity and Recalibration Invariance. Microphysical Motivation for the Weyl Geometry*

Reports on Mathematical Physics, 35, 1, pp. 1-31, 1995.

31. J.J.Slawianowski *$U(2,2)$ -Invariant Spinorial Geometrodynamics*

Reports on Mathematical Physics, 38, 3, pp. 375-397, 1996.

32. J.J.Slawianowski*New Approach to the $U(2,2)$ -Symmetry in Spinor and Gravitation Theory*

Fortschrifte der Physik – Progress of Physics, 44, 2, pp. 105-141, 1996.

33. J.J.Slawianowski*On Certain Invariance Problems in Relativistic Electron Theory*

Journal of Technical Physics, 38, 1, pp. 3-35, 1997.

34. J.J.Slawianowski *$U(2,2)$ -Symmetry as a Common Basis for Quantum Theory and Geometrodynamics*

International Journal of Theoretical Physics, 37, 1, pp. 411-420, 1998.

35. J.J.Slawianowski*One-Dimensional Chains, Matrix Groups and Quantization of Poisson Structures*

Journal of Technical Physics, 39, 2, pp. 163-187, 1998.

36. J.J.Slawianowski, A.K.Slawianowska*Hamiltonian Systems on Linear Groups and One-Dimensional Lattices with Internal Parameters*

Machine Dynamics Problems, 20, pp. 263-273, 1998.

37. J.J.Slawianowski*Platonism as a Spontaneous Way of Thinking in Modern Physics*

Dialogue and Universalism, 8, 3, pp. 41-47, 1998.

38. J.J.Slawianowski*Various Aspects of the Born-Infeld Nonlinearity*

Reports on Mathematical Physics, 46, 1/2, pp. 253-260, 2000.

39. J.J.Slawianowski*Bertrand Systems on Spaces of Constant Sectional Curvature. The Action-Angle Analysis*

Reports on Mathematical Physics, 46, 3, pp. 429-460, 2000.

40. J.J.Slawianowski*Internal Symmetries of Geometrodynamical Models*

Reports on Mathematical Physics, 48, 1/2, pp. 103-114, 2001.

41. J.J.Slawianowski, V.Kovalchuk*Klein-Gordon-Dirac Equation: Physical Justification and Quantization Attempts*

Reports on Mathematical Physics, 49, 2/3, pp. 249-257, 2002.

42. J.J.Slawianowski

Group Theoretic Approach to Internal and Collective Degrees of Freedom in Mechanics and Field Theory

Technische Mechanik, 22, 1, pp. 8-13, 2002.

43. J.J.Slawianowski

Linear Frames in Manifolds, Riemannian Structures and Description of Internal Degrees of Freedom

Reports on Mathematical Physics, 51, 2/3, pp. 345-369, 2003.

44. J.J.Slawianowski, V.Kovalchuk

Invariant Geodetic Problems on the Affine Group and Related Hamiltonian Systems

Reports on Mathematical Physics, 51, 2/3, pp. 371-379, 2003.