

Contents

Volume 309, 2020

Magnetic Pole as Produced by a Point-like Electric Charge Embedded in Constant-Field Background <i>T. C. Adorno, D. M. Gitman, and A. E. Shabad</i>	1
Out-of-Equilibrium Two-Dimensional Yukawa Theory in a Strong Scalar Wave Background <i>E. T. Akhmedov, O. N. Diatlyk, and A. G. Semenov</i>	12
Hyperbolic Spin Ruijsenaars–Schneider Model from Poisson Reduction <i>Gleb E. Arutyunov and Enrico Olivucci</i>	31
Massless Infinite Spin (Super)particles and Fields <i>I. L. Buchbinder, A. P. Isaev, and S. A. Fedoruk</i>	46
Hidden Supersymmetry as a Key to Constructing Low-Energy Superfield Effective Actions <i>I. L. Buchbinder and E. A. Ivanov</i>	57
Flag Manifold Sigma Models and Nilpotent Orbits <i>Dmitri V. Bykov</i>	78
Symplectic Structures on Teichmüller Spaces $\mathfrak{T}_{g,s,n}$ and Cluster Algebras <i>Leonid O. Chekhov</i>	87
On a Problem of Multidimensional Tauberian Theory <i>Yu. N. Drozhzhinov</i>	97
$T\overline{T}$ Deformation and the Light-Cone Gauge <i>Sergey A. Frolov</i>	107
The Asymptotic Structure of Gravity at Spatial Infinity in Four Spacetime Dimensions <i>Marc Henneaux and Cédric Troessaert</i>	127
Schatten Class Operators in a Representation Space of Canonical Commutation Relations <i>A. S. Holevo</i>	150
Scalar Equilibrium Problem and the Limit Distribution of Zeros of Hermite–Padé Polynomials of Type II <i>N. R. Ikononov and S. P. Suetin</i>	159
Nonrelativistic Limit of the Bosonic String <i>M. O. Katanaev</i>	183
On Renormalizations in Nonrenormalizable Theories <i>D. I. Kazakov</i>	194

Conformal Totally Symmetric Arbitrary Spin Fermionic Fields <i>R. R. Metsaev</i>	202
Coulomb–Nuclear Interference: The Latest Modification <i>Vladimir A. Petrov</i>	219
Matrix Kadomtsev–Petviashvili Hierarchy and Spin Generalization of Trigonometric Calogero–Moser Hierarchy <i>V. V. Prokofev and A. V. Zabrodin</i>	225
Slavnov–Taylor Identities in Spontaneously Broken Non-Abelian Effective Gauge Theories <i>A. Quadri</i>	240
General Modular Quantum Dilogarithm and Beta Integrals <i>Gor A. Sarkissian and Vyacheslav P. Spiridonov</i>	251
Characterization of the Moyal Multiplier Algebras for the Generalized Spaces of Type S <i>M. A. Soloviev</i>	271
The Higher Covariant Derivative Regularization as a Tool for Revealing the Structure of Quantum Corrections in Supersymmetric Gauge Theories <i>K. V. Stepanyantz</i>	284
Verification of Spectral Analysis of a Self-adjoint Differential Operator “Following Landau and Lifshitz” by Means of Its Green Function <i>B. L. Voronov</i>	299
From Slavnov–Taylor Identities to the Renormalization of Gauge Theories <i>Jean Zinn-Justin</i>	317
