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**REPRINTED PAPERS****The Classic**

- [R1] “Perturbation theory without gauge fixing”  
by G. Parisi and Wu Yongshi  
*Sci. Sin.* **24** (1981) 483 35

**Perturbation Theory**

- [R2] “Equivalence of stochastic and canonical quantization in perturbation theory”  
by E.G. Floratos and J. Iliopoulos  
*Nucl. Phys.* **B214** (1983) 392 51
- [R3] “Perturbation theory from stochastic quantization of scalar fields”  
by W. Grimus and H. Hüffel  
*Z. Phys.* **C18** (1983) 129 64

- [R4] “Stochastic diagrams and Feynman diagrams”  
by H. Hüffel and P.V. Landshoff  
*Nucl. Phys.* **B260** (1985) 545 70
- Gauge Fields**
- [R5] “Covariant quantization of gauge fields without  
Gribov ambiguity”  
by D. Zwanziger  
*Nucl. Phys.* **B192** (1981) 259 97
- [R6] “Equivalence of stochastic quantization and the  
Faddeev–Popov ansatz”  
by L. Baulieu and D. Zwanziger  
*Nucl. Phys.* **B193** (1981) 163 108
- [R7] “Stochastic quantization of non-Abelian gauge  
field”  
by M. Namiki, I. Ohba, K. Okano and  
Y. Yamanaka  
*Prog. Theor. Phys.* **69** (1983) 1580 118
- [R8] “A covariant ghost-free perturbation expansion  
for Yang–Mills theories”  
by E.G. Floratos, J. Iliopoulos and D. Zwanziger  
*Nucl. Phys.* **B241** (1984) 221 138
- Fermions**
- [R9] “Stochastic quantization method of fermion  
fields”  
by T. Fukai, H. Nakazato, I. Ohba, K. Okano and  
Y. Yamanaka  
*Prog. Theor. Phys.* **69** (1983) 1600 147
- [R10] “Stochastic quantization with fermions”  
by P.H. Damgaard and K. Tsokos  
*Nucl. Phys.* **B235** (1984) 75 164

## Gravity

- [R11] “Stochastic quantization of Einstein gravity”  
by H. Rumpf  
*Phys. Rev.* **D33** (1986) 942 185

## Supersymmetry

- [R12] “Random magnetic fields, supersymmetry and negative dimensions”  
by G. Parisi and N. Sourlas  
*Phys. Rev. Lett.* **43** (1979) 744 199
- [R13] “Stochastic and parastochastic aspects of supersymmetric functional measures: A new non-perturbative approach to supersymmetry”  
by S. Cecotti and L. Girardello  
*Ann. Phys* (NY) **145** (1983) 81 205
- [R14] “Functional integral approach to Parisi–Wu stochastic quantization: Scalar theory”  
by E. Gozzi  
*Phys. Rev.* **D28** (1983) 1922 224
- [R15] “A superfield formulation of stochastic quantization with fictitious time”  
by E. Egorian and S. Kalitzin  
*Phys. Lett.* **129B** (1983) 320 233
- [R16] “Stochastic quantization, supersymmetry and the Nicolai map”  
by P.H. Damgaard and K. Tsokos  
*Lett. Math. Phys.* **8** (1984) 535 236
- [R17] “Quantization by stochastic relaxation processes and supersymmetry”  
by R. Kirschner  
*Phys. Lett.* **139B** (1984) 180 242

**Canonical Stochastic Quantization**

[R18] “Canonical stochastic quantization”  
by S. Ryang, T. Saito and K. Shigemoto  
*Prog. Theor. Phys.* **73** (1985) 1295 247

[R19] “Stochastic quantization in phase space”  
by A.M. Horowitz  
*Phys. Lett.* **156B** (1985) 89 251

**Stochastic Regularization**

[R20] “Stochastic quantization and regularization”  
by J.D. Breit, S. Gupta and A. Zaks  
*Nucl. Phys.* **B233** (1984) 61 257

[R21] “Stochastic regularization of scalar electro-  
dynamics”  
by Z. Bern  
*Nucl. Phys.* **B251** (1985) 633 284

[R22] “Evaluation of critical exponents on the basis of  
stochastic quantization”  
by J. Alfaro, R. Jengo and N. Parga  
*Phys. Rev. Lett.* **54** (1985) 369 306

[R23] “Continuum regularization of QCD”  
by Z. Bern, M.B. Halpern, L. Sadun and  
C. Taubes  
*Phys. Lett.* **165B** (1985) 151 310

**A Rigorous Construction**

[R24] “On the stochastic quantization of field theory”  
by G. Jona-Lasinio and P.K. Mitter  
*Commun. Math. Phys.* **101** (1985) 409 319

**Large-N limit**

[R25] “Quenched master fields”  
by J. Greensite and M.B. Halpern  
*Nucl. Phys.* **B211** (1983) 343 349

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- [R26] “Derivation of quenched momentum prescription  
by means of stochastic quantization”  
by J. Alfaro and B. Sakita  
*Phys. Lett.* **121B** (1983) 339 375
- Complex Actions**
- [R27] “On complex probabilities”  
by G. Parisi  
*Phys. Lett.* **131B** (1983) 393 383
- [R28] “Spectrum of certain non-self-adjoint operators  
and solutions of Langevin equations with complex  
drift”  
by J.R. Klauder and W.P. Petersen  
*J. Stat. Phys.* **39** (1985) 53 386
- [R29] “Numerical problems in applying the Langevin  
equation to complex effective actions”  
by J. Ambjorn and S.-K. Yang  
*Phys. Lett.* **165B** (1985) 140 406
- [R30] “Complex Langevin simulation of the SU(3) spin  
model with non-zero chemical potential”  
by F. Karsch and H.W. Wyld  
*Phys. Rev. Lett.* **55** (1985) 2242 413
- Minkowski Space**
- [R31] “Stochastic quantization in Minkowski space”  
by H. Hüffel and H. Rumpf  
*Phys. Lett.* **148B** (1984) 104 419
- [R32] “Langevin simulation in Minkowski space?”  
by E. Gozzi  
*Phys. Lett.* **150B** (1985) 119 426

**Numerical Applications**

- [R33] “Correlation functions and computer simulations”  
by G. Parisi  
*Nucl. Phys.* **B180** (1981) 378 435
- [R34] “Considerations on numerical analysis of QCD”  
by H.W. Hamber, E. Marinari, G. Parisi and  
C. Rebbi  
*Nucl. Phys.* **B225** (1983) 475 442
- [R35] “Glueball-mass estimates in lattice QCD”  
by H.W. Hamber and U.M. Heller  
*Phys. Rev.* **D29** (1984) 928 464
- [R36] “Numerical evidence for a barrier at the Gribov  
horizon”  
by E. Seiler, I.O. Stamatescu and D. Zwanziger  
*Nucl. Phys.* **D239** (1984) 201 473
- [R37] “Langevin simulation including dynamical quark  
loops”  
by A. Ukawa and M. Fukugita  
*Phys. Rev. Lett.* **55** (1985) 1854 481
- [R38] “Langevin simulations of lattice field theories”  
by G.G. Batrouni, G.R. Katz, A.S. Kronfeld,  
G.P. Lepage,  
B. Svetitsky and K.G. Wilson  
*Phys. Rev.* **D32** (1985) 2736 485