

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 55, NUMBER 6

15 MARCH 1997

Regularization scheme ambiguities in topologically massive gauge theories	3897
J. Gegelia, A. Khelashvili, and N. Kiknadze	
Vortex solutions of a Maxwell-Chern-Simons field coupled to four-fermion theory	3900
Seungjoon Hyun, Junsoo Shin, Jae Hyung Yee, and Hyuk-jae Lee	
Casimir effect in the spacetime of multiple cosmic strings	3903
A. N. Aliev	
Errata	
Erratum: Solitonic strings and BPS saturated dyonic black holes [Phys. Rev. D 53 , 5619 (1996)]	3907
Mirjam Cvetič and Arkady A. Tseytlin	
Cumulative Author Index	3908

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 55, NUMBER 6

15 MARCH 1997

Differential regularization of topologically massive Yang-Mills theory and Chern-Simons theory	3664
W. F. Chen, H. C. Lee, and Z. Y. Zhu	
Multigrid Monte Carlo simulation via XY embedding. II. Two-dimensional SU(3) principal chiral model	3674
Gustavo Mana, Andrea Pelissetto, and Alan D. Sokal	
Quantum solitons at strong coupling	3742
I. W. Stewart and P. G. Blunden	
Thermalization of gauge bosons in the Abelian Higgs model	3748
T. S. Evans and A. C. Pearson	
Gribov copies in the maximally Abelian gauge and confinement	3756
A. Hart and M. Teper	
Lattice study of classical inflaton decay	3768
Tomislav Prokopec and Thomas G. Roos	
Diagrammatic analysis of duality in supersymmetric gauge theories	3776
Nick Evans and Martin Schmaltz	
Intersecting D -branes in ten and six dimensions	3785
Klaus Behrndt, Eric Bergshoeff, and Bert Janssen	
S duality and exact type IIB superstring backgrounds	3793
Gautam Sengupta	
String theory in curved space-time	3800
K. S. Viswanathan and R. Parthasarathy	
Supersymmetric electroweak cosmic strings	3811
José D. Edelstein and Carlos Núñez	
Diffuse domain walls and intersecting flat directions	3820
S. M. Barr	
Defect-antidefect pair production via field oscillations	3824
Sanatan Digal, Supratim Sengupta, and Ajit M. Srivastava	
Static intervortex forces	3830
J. M. Speight	
Baryogenesis through R -parity violation	3836
Utpal Sarkar and Rathin Adhikari	
Baryogenesis from baryon-number-violating scalar interactions	3844
J. P. Bowes and R. R. Volkas	
Recursion rules for scattering amplitudes in non-Abelian gauge theories	3851
Chanju Kim and V. P. Nair	
QED symmetries in real-time thermal field theory	3859
Juan Carlos D'Olivo, Manuel Torres, and Eduardo Tútuti	
Renormalized strong-coupling quenched QED in four dimensions	3866
Frederick T. Hawes, Tom Sizer, and Anthony G. Williams	
Electroweak phase transition in two Higgs doublet models	3873
James M. Cline and Pierre-Anthony Lemieux	

BRIEF REPORTS

Peak and end point of the relic graviton background in string cosmology	3882
R. Brustein, M. Gasperini, and G. Veneziano	
Nonlocal boundary conditions for massless spin-1/2 fields	3886
Giampiero Esposito	
Einstein-Langevin equations from running coupling constants	3889
Fernando C. Lombardo and Francisco D. Mazzitelli	
Quantized fields and temperature in charged dilatonic black hole spacetimes	3893
Daniel J. Loran and William A. Hiscock	

(Continued)