Trends in Mathematical Physics: Proceedings of the Conference on Trends in Mathematical Physics, October 14-17, 1998, University of Tennessee, Knoxville (Ams/Ip Studies in Advanced Mathematics)

By Conference on Trends in Mathematical Physics; Vasilios Alexiades; George Siopsis

American Mathematical Society, 1999. Paperback. Book Condition: New. Brand new. We distribute directly for the publisher. Clean, unmarked pages. Hardcover. This volume presents the proceedings of the conference on "Trends in Mathematical Physics" held at the University of Tennessee. The conference drew international experts from mathematical and computational physics. The following topics were addressed: superstrings and quantum gravity, pattern formation, and crystallographic topology. The cutting-edge research reflected in the extensive surveys in the book are written for a diverse audience.Table of Contents * R. R. Aldinger -- Berry's connection in a quantum relativistic description of the curved space analogue of development * I. G. Avramidi and G. Esposito -- Heat-kernel asymptotics of the Gilkey-Smith boundary-value problem * I. G. Avramidi and G. Esposito -- On ellipticity and gauge invariance in Euclidean quantum gravity * A. L. Bertozzi, A. Münch, and M. Shearer -- Undercompressive waves in driven thin film flow: Theory, computation, and experiment * A. V. Bogdanov, A. S. Gevorkyan, and A. G. Grigoryan -- Internal time peculiarities as a cause of bifurcations arising in classical trajectory problem and

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