Quantum and fermion differential geometry (Interdisciplinary mathematics)

Hermann, Robert

Robert Hermann

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Ouantum and Fermion Differential Geometry Robert Hermann, 1977 Nonlinear, Deformed And Irreversible Quantum Systems - Proceedings Of The International Symposium On Mathematical Physics Heinz-dietrich Doebner, P Nattermann, Vladimir K Dobrev, 1995-08-31 In recent years nonlinear and irreversible quantum mechanics is becoming increasingly important because of the availability of precision experiments There are new and successful attempts to understand quantum irreversibility The development of generalized symmetries has to led to new families of evolution equations for pure and mixed states On the one hand this timely symposium covers nonlinear and irreversible quantum mechanics the theory of quantization methods causality and various problems important in this context On the other hand it reports the development of quantum group symmetries and of methods to construct deformed quantum mechanical evolution equations like the g deformed Schr dinger equations Cartanian Geometry, Nonlinear Waves, and Control Theory Robert Hermann.1979 Lie-Theoretic Ode Numerical Analysis, Mechanics and Differential Systems Robert C-O-R Generalized Functions, Current Algebras, and Control Robert Hermann, 1994 Hermann, 1994 Structures in Nonlinear Physics Robert Hermann, 1991 VOLUME 26 of INTERDISCIPLINARY MATHEMATICS series expounding mathematical methodology in Physics Theories of Vorticity Dynamics Einstein Hilbert Gravitation Colobeau Rosinger Generalized Function Algebra Deformations Quantum Mechanics of Particles Fields Ultimate goal is to develop mathematical framework for reconciling Quantum Mechanics concept of Point Particle New ideas for researchers students Order Math Sci Press 53 Jordan Road Brookline MA 02146 617 738 0307 **Interdisciplinary Mathematics** Róbert Spinors, Clifford and Cayley Algebras Robert Hermann, 1974 This material in this volume is mostly a Hermann, 1977 continuation of volumes I and II which explored interdisciplinary mathematics Interdisciplinary Mathematics Robert Hermann.1978 Linear Systems Theory & Introductory Algebraic Geometry Róbert Hermann, 1974 **Geometry of Elementary Particles** Thomas R. Love, 1987 **Topics in the Geometric Theory of Linear Systems** Robert Hermann.1984 Interdisciplinary Mathematics: Cartanian geometry, nonlinear waves, and control theory, **Interdisciplinary Mathematics** Robert Hermann, 1984 **pt. A-B** Robert Hermann, 1973 Solutions In Action Karl Lanngren, 2012-12-02 Solitons in Action is a collection of papers that discusses the concept of a wave packer or pulse known as a soliton One paper reviews the development of the solitary wave concept with emphasis on the difference between a solitary wave and a soliton The Korteweg deVries KdV equation shows the interactions between infinite sets of conservation laws and the inverse scattering transform method The Backlund transform technique produces hierarchies of multisoliton solutions for nonlinear wave equations The Gel fand Levitan algorithm can effect an inverse scattering calculation that relates changes in the scattering data to changes in the solution of corresponding wave equation One paper points out that

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