

The Third Pacific Rim Geometry Conference

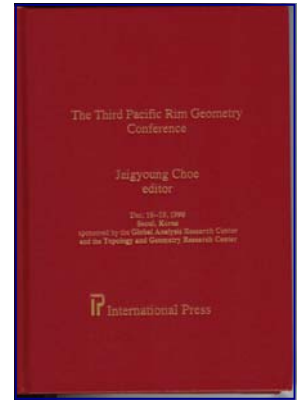
Description

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1. Shigetoshi Bando, The existence theorem of harmonic objects via Green function
2. Bang-Yen Chen, Strings of Riemannian invariants, inequalities, ideal immersions and their applications
3. Roger Chen, On some eigenvalue problems
4. Hideya Hashimoto, Grassmann geometry and J-holomorphic curves of a 6-dimensional sphere
5. Hiroyuki Kamada, Self-duality of neutral metrics on four-dimensional manifolds
6. Inkang Kim, Marked length spectrum on the finite set of elements determines the irreducible representation in the isometry group of rank one symmetric space of noncompact type
7. Jongsu Kim, Compactification and Construction of asymptotically Euclidean scalar-flat kahler surfaces
8. Kang-Tae Kim, The Wu metric and minimum ellipsoids
9. Daesung Kwon and Yong-Geun Oh, Structure of the image of analytic disks attached to totally real submanifolds
10. Yoonweon Lee, Mayer-Vietoris formula for determinants of elliptic operators of Laplace-Beltrami type. (after Burghelca, Friedlander and Kappeler)
11. Koji Matsumoto, Ion Mihai and M. Hasan Shahid, Certain submanifolds of a Kenmotsu manifold
12. Mariko Mukai and Yoshihiro Ohnita, Gauge-theoretic equations for harmonic maps into symmetric spaces (The list is NOT complete ...)

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The third Pacific Rim Geometry Conference was held in 1996 in Seoul, Korea. During the four-day conference, there were 45 talks and a total of 147 participants, including mathematicians from all around the world. This proceedings contains twenty articles by the participants of the conference.

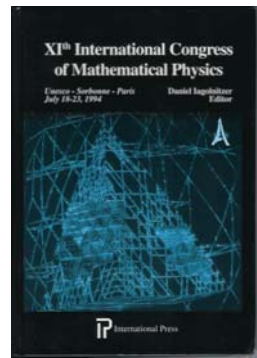


XI International Congress of Mathematical Physics—1994

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Plenary Lectures

1. Conformal Field Theory Approach to Quantum Impurity Problems - Ian Affleck
2. Quantum Physics and the Topology of Knots - Michael Atiyah
3. Quantized Calculus and Applications - Alain Connes
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5. Singularities in Interface Motion - Leo Kadanoff
6. Rigorous Results in Topological σ -Model - Maxim Kontsevich
7. Renormalization of Parabolic Partial Differential Equations - Antti Kupianinen
8. Large Scale Chaos and Marginal Stability in the Solar System - Jacques Laskar
9. Constructive Methods and Results - Jacques Magnen
10. Chaotic Dynamical Behaviour - Marcelo Viana
11. Electric-Magnetic Duality in Four Dimensional Gauge Theories - Edward Witten
12. Mirror Symmetry - Bong H. Lian and Shing-Tung Yau
13. Asymptotics of Natural and Artificial Atoms in Strong Magnetic Fields - Jakob Yngvason
14. Integrable Quantum Field Theory with Boundary - Alexander Zamolodchikov



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Description

An International Conference in mathematical physics was first initiated in 1972. This year, the XI th International Congress of Mathematical Physics took place in Paris with over 1000 participants. The plenary lectures of the congress were devoted to recent developments, inspiring new ideas and of largest interest to all mathematical physicists. The sessions presented important developments in all domains of mathematical physics. These proceedings present invited lectures, either plenary or given in the sessions.

Sessions

1. Operator Algebras and Quantization - V. Jones
2. Dynamical Systems - Y. Sinai
3. Quantum Theory and Chaos - A. Voros
4. General Field Theory - D. Buchholz
5. Equilibrium Statistical Mechanics, Disordered Systems, Constructive Methods, Condensed Matter - M. Aizenman, J. Avron, T. Balaban
6. Fluid Mechanics - H.K. Moffat
7. Quantum Mechanics - E. Lieb