

Lectures on Differential Geometry

Authors: R. Schoen and S. T. Yau
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Description

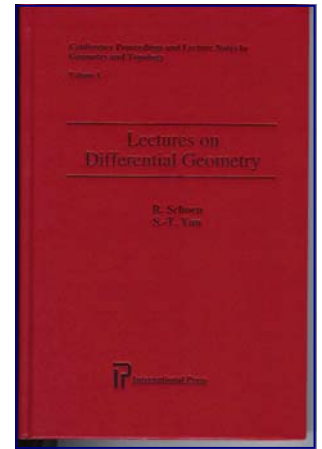
In the Spring of 1984, the authors gave a series of lectures in the Institute for Advanced Studies in Princeton. These lectures, which continued throughout the 1984-1985 academic year, are published in this volume. This greatly anticipated volume is an essential reference tool for Differential Geometry. It describes the major achievements in Differential Geometry which has progressed rapidly in this century.

Table of Contents

Chapter 1: Comparison Theorems and Gradient Estimates
 Chapter 2: Harmonic Functions on Manifolds
 Chapter 3: Eigenvalue Problems
 Chapter 4: Heat Kernel on Riemannian Manifolds
 Chapter 5: Conformal Deformation of Scalar Curvatures
 Chapter 6: Locally Conformally Flat Manifolds
 Chapter 7: Problem Section
 Chapter 8: Nonlinear Analysis in Geometry
 Chapter 9: Open Problems in Differential Geometry

Conference and Proceedings and Lecture Notes in Geometry and Topology (Vol. 1)

Volume I: Lectures on Differential Geometry
 Volume II: Lectures on Harmonic Maps
 Volume III: Lectures in Low Dimensional Topology
 Volume IV: Geometry, Topology and Physics for Raoul Bott



Authors: R. Schoen and S. T. Yau
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Description

At the beginning, harmonic maps were studied in connection with the theory of minimal surfaces.

In 1985, the authors, two of the foremost mathematicians in this field, presented a series of lectures at the University of California at San Diego on the subject of harmonic maps. Most of these lectures are collected here as Part I, which is devoted to harmonic maps defined on Riemann surfaces. Part II, which was added much more recently, integrates the seminal works of R. Schoen, the work of N. Korevaar and S. T. Yau, and the applications to geometry by both authors. The final chapter is contributed by J. Jost and S. T. Yau.

Lectures on Harmonic Maps

Conference and Proceedings and Lecture Notes in Geometry and Topology (Vol. 2)

Table of Contents

1 Harmonic Maps
 2 Compactifications of Teichmüller Space
 3 Harmonic Maps of Kähler Manifolds with Constant Negative Holomorphic Sectional Curvature
 4 Minimal Surfaces in a Kähler Surface
 5 Stable Minimal Surfaces in Euclidean Space
 6 The Existence of Minimal Immersions of 2-Spheres
 7 Manifolds with Positive Curvature on Totally Isotropic Two-planes
 8 Compact Kähler Manifolds of Positive Bisectional Curvature
 9 Analytic Aspects of the Harmonic Map Problem
 10 Sobolev Spaces and Harmonic Maps for Metric Space Targets
 11 Moduli Spaces of Harmonic Maps, Compact Group Actions and the Topology of
 12 Manifolds with Non-Positive Curvature
 13 Harmonic Maps and the Topology of Stable Hypersurfaces and Manifolds with Non-Negative Ricci Curvature
 14 Harmonic Maps and Superrigidity (by Jürgen Jost and Shing-

