

JOURNAL OF DIFFERENTIAL GEOMETRY

W. Y. Hsiang & H. B. Lawson, Jr., <i>Minimal submanifolds of low co-homogeneity</i>	1
R. S. Hamilton, <i>Regularity theorems for partial differential operators</i>	39
P. Eberlein, <i>Manifolds admitting no metric of constant negative curvature</i>	59
K. Shiohama, <i>The diameter of δ-pinched manifolds</i>	61
R. H. Bowman, <i>Sprays on vector bundles</i>	75
C. E. Harle, <i>Rigidity of hypersurfaces of constant scalar curvature</i>	85
J. A. Thorpe, <i>The zeroes of nonnegative curvature operators</i>	113
U. Koschorke, <i>Pseudo-compact subsets of infinite-dimensional manifolds</i>	127
L. Conlon, <i>Variational completeness and K-transversal domains</i>	135
E. Heinz, <i>Interior gradient estimates for surfaces $z = f(x, y)$ with prescribed mean curvature</i>	149
J. D. Moore, <i>Isometric immersions of Riemannian products</i>	159
R. H. Bowman, <i>Higher order dissections</i>	169
O. Loos, <i>Lie transformation groups of Banach manifolds</i>	175
E. A. Feldman, <i>Nondegenerate curves on a Riemannian manifold</i>	187
S. I. Goldberg, <i>Quartic structures on spheres</i>	211
K. Ogiue, <i>Scalar curvature of complex submanifolds of a complex projective space</i>	229
V. K. Patodi, <i>Curvature and the eigenforms of the Laplace operator</i>	233

JOURNAL OF DIFFERENTIAL GEOMETRY

Editors

- M. F. ATIYAH**
Institute for Advanced Study
Princeton, N. J. 08540
- R. BOTT**
Harvard University
Cambridge, Mass. 02138
- E. CALABI**
University of Pennsylvania
Philadelphia, Pa. 19104
- J. EELLS, JR.**
University of Warwick
Coventry, England
- F. HIRZEBRUCH**
University of Bonn
Bonn, Germany
- C. C. HSIUNG**
Lehigh University
Bethlehem, Pa. 18015
- W. P. A. KLINGENBERG**
University of Bonn
Bonn, Germany
- J. J. KOHN**
Princeton University
Princeton, N. J. 08540
- B. KOSTANT**
Massachusetts Institute of Technology
Cambridge, Mass. 02139
- Y. MATSUSHIMA**
University of Notre Dame
Notre Dame, Ind. 46556
- A. NIJENHUIS**
University of Pennsylvania
Philadelphia, Pa. 19104
- L. NIRENBERG**
Courant Institute
of Mathematical Sciences
New York University
New York, N. Y. 10012
- R. S. PALAIS**
Brandeis University
Waltham, Mass. 02154
- H. SAMELSON**
Stanford University
Stanford, Calif. 94305
- I. M. SINGER**
Massachusetts Institute of Technology
Cambridge, Mass. 02139
- S. SMALE**
University of California
Berkeley, Calif. 94720
- S. STERNBERG**
Harvard University
Cambridge, Mass. 02138
- K. YANO**
Tokyo Institute of Technology
Tokyo, Japan

Honorary Editorial Advisors

- S. S. CHERN**
University of California
Berkeley, Calif. 94720
- W. V. D. HODGE**
University of Cambridge
Cambridge, England
- A. LICHTNEROWICZ**
College of France
Paris, France
- D. C. SPENCER**
Princeton University
Princeton, N. J. 08540

The Journal of Differential Geometry, published quarterly by Lehigh University in March, June, September and December, is devoted to the publication of research papers in differential geometry and related subjects.

The subscription price per volume is \$ 18.00; this is reduced to \$ 9.00 for personal use of private individuals.

Subscription orders and changes of address should be sent to the Journal of Differential Geometry, P.O. Box 6248, Providence, Rhode Island 02904, U.S.A.

Instructions for submission of manuscripts are given inside of the back cover of this issue.