

# JOURNAL OF DIFFERENTIAL GEOMETRY

A. Weinstein, <i>Positively curved <math>n</math>-manifolds in <math>R^{n+2}</math></i>	1
E. Kann, <i>A new method for infinitesimal rigidity of surfaces</i>	5
I. Chavel, <i>A class of Riemannian homogeneous spaces</i>	13
M. Okumura, <i>Contact Riemannian submanifolds</i>	21
Y. C. Wong, <i>A class of Schubert varieties</i>	37
K. Yano & M. Obata, <i>Conformal changes of Riemannian metrics</i>	53
J. Vilms, <i>Totally geodesic maps</i>	73
S. Shnider, <i>The classification of real primitive infinite Lie algebras</i>	81
M. P. do Carmo & N. R. Wallach, <i>Representations of compact groups and minimal immersions into spheres</i>	91
Y. Ogawa, <i>Operators on almost Hermitian manifolds</i>	105
T. Otsuki, <i>Submanifolds with a regular principal normal vector field in a sphere</i>	121

# 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. LICHNEROWICZ**  
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.