

# Journal Of Differential Geometry

- R. Mazzeo & N. Smale, *Conformally flat metrics of constant positive scalar curvature on subdomains of the sphere* 581
- K. Burns & G. Knieper, *Rigidity of surfaces with no conjugate points* 623
- M. Mulase, *A new super KP system and a characterization of the Jacobians of arbitrary algebraic super curves* 651
- S. R. Adams & A. Freire, *Nonnegatively curved leaves in foliations* 681
- H.-Y. Wang, *The existence of nonminimal solutions to the Yang-Mills equation with group  $SU(2)$  on  $S^2 \times S^2$  and  $S^1 \times S^3$*  701
- F. T. Farrell & L. E. Jones, *Stable pseudoisotopy spaces of compact nonpositively curved manifolds* 769
- L. Stojanov, *Note on the periodic points of the billiard* 835
- A. Kouvidakis, *The Picard group of the universal Picard varieties over the moduli space of curves* 839

# JOURNAL OF DIFFERENTIAL GEOMETRY

## Editors-in-Chief

C. C. HSIUNG  
Lehigh University  
Bethlehem, PA 18015

S. T. YAU  
Harvard University  
Cambridge, MA 02138

## Editors

ROBERT L. BRYANT  
Duke University  
Durham, NC 27706  
SIMON K. DONALDSON  
University of Oxford  
Oxford, England OX1 3LB

H. BLAINE LAWSON, JR.  
State University of New York  
Stony Brook, NY 11794  
RICHARD M. SCHOEN  
Stanford University  
Stanford, CA 94305

## Associate Editors

ENRICO ARBARELLO  
Universita degli Studi di Roma  
Universitadi Ple A. Moro 2  
00185 Roma, ITALY

MICHAEL H. FREEDMAN  
University of California  
La Jolla, CA 92093

JEFF CHEEGER  
State University of New York  
Stony Brook, NY 11794

SHIGEFUMI MORI  
Faculty of Sciences  
Nagoya University  
Nagoya 464, JAPAN

ALAN WEINSTEIN  
University of California  
Berkeley, CA 94720

---

The Journal of Differential Geometry is devoted to the publication of research papers in differential geometry and related subjects such as differential equations, mathematical physics, algebraic geometry and geometric topology.

The subscription price for Vols. 33–34 (1991) is \$250.00 list, \$63.00 for personal use of individuals; each volume consists of three numbers. Back number prices per volume (with a 40% reduction for individual members and a 20% reduction for institutional members of the American Mathematical Society): Vols. 1–2 (1967–1968), \$22.00; Vols. 3–6 (1969–1971), \$28.00; Vols. 7–9 (1972–1974), \$37.00; Vol. 10 (1975), \$47.00; Vol. 11 (1976), \$54.00; Vol. 12 (1977), \$62.00; Vols. 13–15 (1978–1980), \$65.00; Vol. 16 (1981), \$75.00; Vol. 17 (1982), \$81.00; Vols. 18–20 (1983–1984), \$124.00; Vols. 21–22 (1985), \$140.00; Vols. 23–28 (1986–1988), \$148.00, Vols. 29–30 (1989), \$164.00, Vols. 31–32 (1990), \$173.00.

Subscriptions and orders should be addressed to the American Mathematical Society, P.O. Box 1571, Annex Station, Providence, Rhode Island 02901-1571. *All orders must be accompanied by payment, and check should be made payable to the American Mathematical Society.* General correspondence and changes of address should be sent to the American Mathematical Society, P.O. Box 6248, Providence, Rhode Island 02940-6248.

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

Journal of Differential Geometry (ISSN 0022-040X) is published bimonthly in January, March, May, July, September and November by Lehigh University, Christmas-Saucon Hall 14, Bethlehem PA 18015-3175. Second Class Postage Rates paid at Bethlehem, PA and an additional mailing office. Postmaster: Send address changes to Journal of Differential Geometry, American Mathematical Society, P.O. Box 6248, Providence, RI 02940.

Copyright © 1991 Lehigh University. All rights reserved.

ISSN 0022-040X

Printed in the United States of America.

The paper used in this issue is acid-free and falls within the guidelines established to ensure permanence and durability. ♾