

Journal Of Differential Geometry

R. J. Zimmer, <i>Infinitesimal rigidity for smooth actions of discrete subgroups of Lie groups</i>	301
M.-C. Chang, <i>Characterization of arithmetically Buchsbaum subschemes of codimension 2 in \mathbb{P}^n</i>	323
X. Mo & R. Osserman, <i>On the Gauss map and total curvature of complete minimal surfaces and an extension of Fujimoto's theorem</i>	343
T. Grundhöfer & H. Hahl, <i>Fibrations of spheres by great spheres over division algebras and their differentiability</i>	357
H. Fujimoto, <i>Modified defect relations for the Gauss map of minimal surfaces. II</i>	365
P. Petersen, V, <i>A finiteness theorem for metric spaces</i>	387
K. Ecker & G. Huisken, <i>A Bernstein result for minimal graphs of controlled growth</i>	397
M. Dajczer & D. Gromoll, <i>Rigidity of complete Euclidean hypersurfaces</i>	401
S. A. Wolpert, <i>The hyperbolic metric and the geometry of the universal curve</i>	417
M. S. Baouendi & L. P. Rothschild, <i>Geometric properties of mappings between hypersurfaces in complex space</i>	473
J.-H. Lu & A. Weinstein, <i>Poisson Lie groups, dressing transformations, and Bruhat decompositions</i>	501
C. Voisin, <i>Degenerations de Lefschetz et variations de structures de Hodge</i>	527
M. A. Rieffel, <i>Critical points of Yang-Mills for noncommutative two-tori</i>	535
C. H. Taubes, <i>Casson's invariant and gauge theory</i>	547

JOURNAL OF DIFFERENTIAL GEOMETRY

Editors

ROBERT L. BRYANT

Duke University
Durham, NC 27706

SIMON K. DONALDSON

University of Oxford
Oxford, England OX1 3LB

C. C. HSIUNG

Lehigh University
Bethlehem, PA 18015

H. BLAINE LAWSON, JR.

State University of New York
Stony Brook, NY 11794

RICHARD M. SCHOEN

Stanford University
Stanford, CA 94305

S. T. YAU

Harvard University
Cambridge, MA 02138

Associate Editors

ENRICO ARBARELLO

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

JEFF CHEEGER

State University of New York
Stony Brook, NY 11794

MICHAEL H. FREDMAN

University of California
La Jolla, CA 92093

SHIGEFUMI MORI

Faculty of Sciences
Nagoya University
Nagoya 464, JAPAN

KAREN UHLENBECK

University of Texas
Austin, TX 78712

ALLEN 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. 31–32 (1990) is \$230.00 list, \$58.00 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.

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. Application to mail at Second Class Postage Rates is pending at Bethlehem PA and at additional mailing offices. Postmaster: Send address changes to Journal of Differential Geometry, American Mathematical Society, P.O. Box 6248, Providence, RI 02940.

Copyright © 1990 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. (∞)