STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION OF THE ILLINOIS JOURNAL OF MATHEMATICS (ISSN 0019-2089), as required by 39 U. S. Code 3885.

The ILLINOIS JOURNAL OF MATHEMATICS is published 4 times a year (quarterly): a subscription for the volume year is \$50.00. Single issues are \$15.00.

The publisher and sole owner is the University of Illinois Press acting for the University of Illinois, Department of Mathematics. Office of publication is located at the University of Illinois Press, 54 East Gregory Drive, Box 5081, Station A, Champaign, IL 61820. The Managing Editor is Professor Mahlon M. Day, Department of Mathematics, University of Illinois, 1409 West Green St., Urbana, IL 61801; the associate editors are Professor Kuo-Tsai Chen, Frank B. Knight, Irving Reiner, all of the Department of Mathematics, University of Illinois, 1409 West Green St., Urbana, IL 61801; the associate editors are Professor Kuo-Tsai Chen, Frank B. Knight, Irving Reiner, all of the Department of Mathematics, University of Illinois, 1409 West Green St., Urbana, IL 61801; the Sociate Editors are Professor Karen K. Urbana, IL 61801, Professor Karen K. Uhlenbeck, University of Chicago, Department of Mathematics, 5734 University Ave., Chicago, Illinois 60637.

The purpose, function, and non-profit status of this publication for Federal income tax purposes have not changed during the preceding 12 months.

The average number of copies printed per issue (net press run) during the preceding 12 months is 1350; the average number of copies of each issue distributed by mail to subscribers during the preceding 12 months is 1136, including 898 paid subscriptions and 248 others (free distribution by mail or carrier or other means, samples, complimentary, and other free copies); the number printed for the issue nearest to the filing date is 1320; the number distributed by mail to subscribers of the issue nearest to filing is 1072, including 834 paid subscriptions. The average number of copies not distributed (office use, left over, unaccounted, spoiled after printing) of each issue during the preceding 12 months is 214; the number for the single issue nearest to the filing date is 248.

I certify that the statements made by me above are correct and complete to the best of my knowledge.

Signed, Mahlon M. Day, Editor Date: October 25, 1984 Vol. 29, No. 1

CONTENTS

| Some results on Cauchy surface criteria in Lorentzian geometry By GREGORY J. GALLOWAY | 1 |
|---|-----|
| Equivariant isotopies and submersions By R. LASHOF | 11 |
| Cyclic inner functions in the Bergman spaces and weak outer functions in H^p , 0 | 25 |
| By JAMES W. ROBERTS | 25 |
| By SHEILA CARTER and ALAN WEST Actions of compact groups on AF C*-algebras | 39 |
| By DAVID HANDELMAN and WULF ROSSMANN | 51 |
| By Rahman M. Younis | 96 |
| Harmonic and superharmonic functions on compact sets By W. HANSEN | 103 |
| The classifying space of smooth foliations By STEVEN HURDER | 108 |
| Weierstrass points and modular forms By DAVID E. ROHRLICH | 134 |
| The isomorphism problem for incidence rings By JOHN FROELICH | 142 |
| Lifting homomorphisms of modules By ROBERT M. GURALNICK | 153 |
| Anneaux d'entiers dans le meme genre par JACQUES QUEYRUT | 157 |
| Projective resolutions over Artin algebras with zero relations By E. L. GREEN, D. HAPPEL and D. ZACHARIA | 180 |
| $\mathcal{D}_{\mathcal{J}}$ $\mathcal{D}_{\mathcal{L}}$ | 100 |

Published by the University of Illinois Press in Spring, Summer, Fall, and Winter. Supported in part by the George A. Miller Endowment. The subscription price is \$50 a volume (four numbers). The price of a single number of Volumes 19-26 is \$15.00. These should be ordered from the University of Illinois Press, 54 Gregory Drive, Box 5081, Station A, Champaign, Illinois 61820. All foreign subscriptions must be accompanied by payment. Back issues of Volume 1-18 are available from Swets & Zeitlinger B.V.; Heereweg 347 b: 2160 AH: Lisse, The Netherlands.