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 Editors are Professors Robert G. Bartle and Gerald J. Janusz, Department of Mathematics, University of Illinois, 1409 West Green Street, Urbana, IL 61801: the associate editors are Professors Kuo-Tsai Chen, Frank B. Knight, Robert Kaufman, Irving Reiner, Philippe Tondeur, all of the Department of Mathematics, University of Illinois, 1409 West Green Street, Urbana, IL 61801, Angus Macintyre, Professor of Mathematical Logic, University of Oxford, Mathematical Institute, 24-29 St. Giles', Oxford, England OX1 3LB, Professor David Masser, The University of Michigan, Department of Mathematics, 3220 Angell Hall, Ann Arbor, Michigan 48109-1003, and Professor Karen K. Unlenbeck, University of Chicago, Department of Mathematics, 5734 University Avenue, Chicago, IL 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 1371; the average number of copies of each issue distributed by mail to subscribers during the preceding 12 months is 1053, including 852 paid subscriptions and 201 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 1300; the number distributed by mail to subscribers of the issue nearest to filing is 1079, including 877 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 269; the number for the single issue nearest to the filing date is 180.

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

Signed, Gerald J. Janusz, Editor Date: October 20, 1986

	Page
Groups and central algebras By Awad A. Iskander	1
Tensor products of Tsirelson's space By Raymundo Alencar, Richard M. Aron and Gerd Fricke	17
On a formula for almost-even arithmetical functions By HUBERT DELANGE	24
Modules of finite length and Chow groups of surfaces with rational double points By V. Srinivas	36
Two space scattering and propagative systems By Martin Schechter	62
M-ideals and quasi-triangular algebras Ву Тімотну G. Fееман	89
Surfaces with minimal random weights and maximal flows: A higher dimensional version of first-passage percolation By HARRY KESTEN	99
The Riemannian obstacle problem By Stephanie B. Alexander, I. David Berg and Richard L. Bishop	167

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 E. 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.