## **CONTENTS**

Vol. 21, No. 4	December 1977
	Page
Scattered spaces II  By V. Kannan and M. Rajagopalan	735
Recursion in the extended superjump By PHILIP LAVORI	752
Disjoint sequences, compactness, and semireflexivity in lo Riesz spaces By OWEN BURKINSHAW and PETER DODDS	ocally convex
Periodicity in groups By J. L. ALPERIN	776
Kolmogorov's law of the iterated logarithm for Banach random variables By J. KUELBS	space valued 784
Multiplier sequences for fields By Thomas Craven and George Csordas	801
Frobenius reciprocity for square-integrable factor represer By Jonathan Rosenberg	ntations 818
Stable operations on complex K-theory By J. F. Adams and F. W. Clarke	826
Infinite loop maps from $SF$ to $BO_{\otimes}$ at the prime 2 By H. J. LIGAARD	830
On the automorphism group of an integral group ring, II By Gary L. Peterson	836
Quasi-regular ideals of some endomorphism rings By JUTTA HAUSEN	845
The asymptotic behavior of the principal eigenvalue of s turbed degenerate elliptic operators  By Allen Devinatz and Avner Friedman	ingularly per-
One point regularity properties of multiple Fourier series By JOHN D. PESEK, JR.	
The topological structure of 4 manifolds with effective to By Peter Sie Pao	rus actions, II
Sur la coherence de certains anneaux de fonctions By JEAN-PIERRE ROSAY	895
On the factorization of entire functions By Chung-Chun Yang	898
Published by the University of Illinois Press in Marc and December. Supported in part by the George A. Mille	
The subscription price is \$30.00 a volume (four nun single number is \$10.00. Subscriptions should be sent t Illinois Press, Urbana, Illinois 61801. All foreign sub	o the University of

accompanied by payment.