## **CONTENTS**

Vol. 7, No. 3	September, 1963
	Page
The distribution of irreducible polynomials in several By L. Carlitz	indeterminates
The existence and applications of anticommutative coc By Donald W. Kahn	hain algebras
Likelihood ratios for stochastic processes related by formations	
By T. S. PITCHER	396
By Sze-tsen Hu	415
Geodesic spheres in Grassmann manifolds	40.5
By Joseph A. Wolf	425
By Joseph A. Wolf	447
Semisimplicial spectra By Daniel M. Kan	463
On the k-cochains of a spectrum By Daniel M. Kan	479
On the projective plane of an <i>H</i> -space By William Browder and Emery Thomas	492
A decomposition theorem for $E^4$	<b>700</b>
By Mary-Elizabeth Hamstrom	503
By David Blackwell and Lester E. Dubins.	508
A note on splitting fields of representations of finite greater	
By Paul Fong	515
Universal locally connected refinements By Andrew M. Gleason	521
The extension problem for positive-definite functions	wa.a
By Walter Rudin	$\ldots \ldots 532$
A supplement to "Markov processes with identical hit By R. M. Blumenthal, R. K. Getoor, and H. P.	

Published by the University of Illinois Press in March, June, September and December. Supported in part by the George A. Miller Endowment. Printed by Waverly Press, Baltimore, Maryland.

The subscription price is \$9.00 a volume (four numbers); this is reduced to \$5.00 for individual members of the American Mathematical Society. The price of a single number is \$3.00. Subscriptions should be sent to the University of Illinois Press, Urbana, Illinois.