

ISSN 2095-2651
CODEN SYPIET



Journal of

Mathematical

Research with

Applications

数学研究及应用

Vol.38 **4** 2018

Research Papers

The crossing numbers of $K_5 + P_n$ Zhenhua SU (331)

The measurement topology and the density topology of posets Xuxin MAO, Luoshan XU (341)

Relationships among matroids induced by covering-based upper approximation operators
..... Lirun SU (351)

Semicommutativity of amalgamated rings
..... Handan KOSE, Yousum KURTULMAZ, Burcu UNGOR, Abdullah HARMANCI (366)

Minimal prime ideals and units in 2-primal Ore extensions Yingying WANG, Weixing CHEN (377)

One-signed periodic solutions of first-order functional difference equations with parameter
..... Yanqiong LU, Ruyun MA, Bo LU (384)

Gronwall-Bellman type nonlinear sums-difference inequalities and applications in
difference equations Zizun LI (393)

Existence of positive solutions for a class of Kirchhoff type systems
..... Xiaomin LIU, Zuodong YANG (411)

Fractional Brownian bridge measures and their integration by parts formula Xiaoxia SUN (418)

Reliability of parallel stress-strength model Conghua CHENG (427)



Journal of Mathematical Research with Applications

Formerly Journal of Mathematical Research and Exposition
Bimonthly Founded in 1981

Supervised by The Ministry of Education of the People's Republic of China
Sponsored by Dalian University of Technology &
China Society for Industrial and Applied Mathematics
Editors-in-Chief Lei GUO & Renhong WANG
Edited & Published by The Editorial Office of Journal of
Mathematical Research with Applications
Address: No.2 Linggong Road, Ganjingzi District
Dalian 116024, P. R. China
Printed by Dalian University of Technology Printing Co., Ltd.
Distributed In China by Local Post Offices;
Overseas by China National Publications
Import & Export (Group) Corporation

ISSN 2095-2651



9 772095 265121

万方数据

ISSN 2095-2651

CN 21-1579 / O1

PO Subscription Code 8-92

Price 20.00 RMB