

ournal of

Mathematical Research with Applications

文学研究及应用

Journal of Mathematical Research with Applications

Vol.40 No.1 (Sum No.180)

Contents

January 2020

Research Papers

Fekete-Szegő functional problems for certain subclasses of bi-univalent functions involving the
Hohlov operator Pinhong LONG, Huo TANG, Wenshuai WANG (1
Explicit iterative sequences of positive solutions for a class of fractional differential equations on
an infinite interval
Approximate quadratic functional inequality in β -homogeneous normed spaces Zhihua WANG (26
Directional preimage entropy for \mathbb{Z}_+^k -actions
On \mathcal{I} -covering mappings and 1- \mathcal{I} -covering mappings
Indefinite least squares problem with quadratic constraint and its condition numbers
Mahvish SAMAR, Aamir FAROOQ, Chunlai MU, Iram MUSHTAQ (57
Verified computation of eigenpairs in the generalized eigenvalue problem for nonsquare
matrix pencils
Curve reconstruction algorithm based on discrete data points and normal vectors
Mingyang GUO, Chongjun LI (8'
The number of failed components in a conditional Coherent operating system



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 Distributed Dalian University of Technology Printing Co., Ltd.

In China by Local Post Offices;

Overseas by China National Publications

Import & Export (Group) Corporation

ISSN 2095-2651



ISSN 2095-2651 CN 21-1579 / O1 PO Subscription Code 8-92

Price 20.00 RMB