

HIROSHIMA MATHEMATICAL JOURNAL

VOLUME 46, NUMBER 2

JULY, 2016

PUBLISHED BY

DEPARTMENT OF MATHEMATICS
GRADUATE SCHOOL OF SCIENCE
HIROSHIMA UNIVERSITY

Hiroshima Mathematical Journal

Editors

Kunimochi SAKAMOTO (Managing Editor)	
Makoto ABE	Yoshio AGAOKA
Akihiko INOUE	Akira ISHII
Mishio KAWASHITA	Shun-ichi KIMURA
Ryo KOBAYASHI	Makoto MATSUMOTO
Tetsu MIZUMACHI	Hiraku NISHIMORI
Makoto SAKUMA	Ichiro SHIMADA
Hiroshi TAMARU	Hirofumi WAKAKI
Masafumi YOSHINO	

Hiroshima Mathematical Journal is a continuation of Journal of Science of the Hiroshima University, Series A, Vol. 1~Vol. 24 (1930~1960) and Journal of Science of the Hiroshima University, Series A-I, Vol. 25~34 (1961~1970).

Starting with Volume 4 (1974), each volume of Hiroshima Mathematical Journal consists of three numbers annually. This journal publishes original papers in pure and applied mathematics.

Copyright © by Editorial Board of Hiroshima Mathematical Journal
Department of Mathematics, Graduate School of Science, Hiroshima University

Printed by
Letterpress Co., LTD.
Hiroshima, Japan

Instructions for Authors

1. Manuscripts should be written in English and should contain
 - (i) title
 - (ii) name(s) of author(s)
 - (iii) abstract
 - (iv) 2010 Mathematics Subject Classification Numbers, and key words and phrases
 - (v) body of the paper
 - (vi) references
 - (vii) affiliation(s), address(es) and e-mail address(es)

in this order. For symbols and style conventions, authors should consult current issues of the journal. Color printing may be accepted with some possible charge.

2. Manuscripts should be submitted in duplicate to the HMJ office. Attached should be a separated sheet containing
 - (a) the title of the paper
 - (b) the mailing address (and an e-mail address) of the author who is responsible for proof-readings
 - (c) the running title (condensed title of less than 30 characters).

The manuscript will not usually be returned to the author.

It is preferred that manuscripts be prepared using the LaTeX2e style file of HMJ, which is available from the HMJ webpage, with no special macros. Then it is only necessary for the author to submit a LaTeX source file together with a pdf file (or a dvi file) and (a), (b) and (c) to the HMJ office by e-mail. If we have a trouble in handling the files, then the author may be asked to send a printed manuscript as well.

The LaTeX style file of HMJ, its documentation, and a sample tex file can be obtained from the HMJ webpage.

3. When the manuscript is accepted for publication, the author will be asked for the LaTeX source file and the pdf file (the dvi file) which must be identical to that of the final version of the manuscript.
4. The pdf files of papers published in the journal will be offered to the public without charge on the HMJ webpage. The author will be asked to give consent for the journal to publish electronically as well as in print. Authors reserve the right to post their papers on the authors' homepages.
5. Authors of papers published in the journal will have a total of 50 offprints for papers without charge.
6. The address and the e-mail address of the HMJ office are:

Hiroshima Mathematical Journal
Department of Mathematics
Graduate School of Science
Hiroshima University
Higashi-Hiroshima 739-8526 Japan

Tel: +81-82-424-7350

Fax: +81-82-424-0710

E-mail: hmj@math.sci.hiroshima-u.ac.jp

HMJ webpage: <http://www.math.sci.hiroshima-u.ac.jp/hmj/index.html>

CONTENTS

	PAGE
Y. JIANG and B. HUANG: A note on the value distribution of $f^l(f^{(k)})^n$	135
M. ISHIKAWA and K. NEMOTO: Construction of spines of two-bridge link complements and upper bounds of their Matveev complexities	149
R. MOHAMED FARGHLY: Higher level representation of the elliptic quantum group $U_{q,p}(\widehat{\mathfrak{sl}}_2)$ and its integrability.....	163
H. UEDA: A new example of the dissipative wave equations with the total energy decay	187
T. HOAI HOANG: Degeneration of Fermat hypersurfaces in positive characteristic.....	195
M. FUROKAWA: Commensurability between once-punctured torus groups and once-punctured Klein bottle groups.....	217