

*This journal was typeset by L<sup>A</sup>T<sub>E</sub>X, with style files 'nmj.sty'  
written by Dr. Masashi Kubo.*

TeX is a trademark of American Mathematical Society.

Correspondence concerning subscription, and back issues of  
the journal should be addressed to

KINOKUNIYA COMPANY LTD.  
17-7 Shinjuku 3-chome, Shinjuku-ku  
Tokyo 163-8636 JAPAN

The annual subscription price for 2003 is about \$242.00

Published by  
KINOKUNIYA COMPANY LTD.  
Tokyo, Japan

Nagoya Mathematical Journal is the official journal of the Graduate School of Mathematics, Nagoya University, designed solely for the publication of research papers. However, invited papers and other original papers in mathematics from all over the world are also regularly published in Nagoya Mathematical Journal. Currently, 4 volumes are published each year.

Papers submitted for publication and editorial correspondence should be addressed to: The Managing Editor, Nagoya Mathematical Journal, Graduate School of Mathematics, Nagoya University, Chikusa-ku, Nagoya, 464-8602, Japan. The e-mail address is: [nmj@math.nagoya-u.ac.jp](mailto:nmj@math.nagoya-u.ac.jp)

Papers may be written in English, French or German.

It is preferred that manuscripts be prepared using LATEX or AMSLATEX; however manuscripts prepared by AMSTEX or conventional typesetting can also be accepted. The LATEX style file of the Journal and its documentation are available via the WEB site (<http://www.math.nagoya-u.ac.jp/nmj/index.html>). Authors are requested either

1. to send two hard copies by mail
- or
2. to transmit the dvi/ps/pdf file by e-mail and to send one hard copy by mail.

The TEX source file should not be included at the initial submission. Once the paper is accepted for publication, we will ask for the TEX source file, which must be mathematically identical to the submitted version.

Manuscripts prepared by conventional typesetting must be typed on one side of the page only, with double-spaced lines and be accompanied by complete instructions for the typesetter.

Papers should include

- (a) a short abstract of the contents,
- (b) classification numbers at the foot of page 1 according to the 2000 Mathematics Subject Classification, to be found

<http://www.ams.org/>,

- (c) the author's coordinates, including e-mail address and Fax numbers,
- (d) for papers with long titles, the author's choice of running head (not longer than 50 characters).

As soon as we receive a manuscript, a receipt will be sent to the author. The receipt, however, bears no relevance to the acceptability of the paper

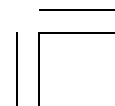
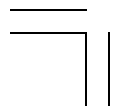
for publication. If the editorial committee has decided to accept a paper, the author will receive a notice containing the number of the volume in which the paper will appear.

Authors submitting a joint paper must provide instructions as to which author is responsible for proof-reading (only one set of proofs will be provided). Each author, as well as each co-author will have 50 reprints.

The manuscript and general correspondence should be addressed to: The Managing Editor, Nagoya Mathematical Journal, Graduate School of Mathematics, Nagoya University, Chikusa-ku, Nagoya, 464-8602, Japan. They may be emailed to:

`nmj@math.nagoya-u.ac.jp`

Japanese Journal of Mathematics (JJM) is one of the official journals published by the Mathematical Society of Japan and is supported by fourteen associated mathematical journals published by various institutions within Japan, including Nagoya Mathematical Journal (NMJ). With the consent of the author(s), the editors of NMJ may recommend articles originally submitted to NMJ to be published in JJM instead.



## CONTENTS

---

<b>Saito, H.:</b> Convergence of the zeta functions of prehomogeneous vector spaces .....	1
<b>Fujimoto, H.:</b> On uniqueness polynomials for meromorphic functions .....	33
<b>Aubert, A.-M.:</b> Character sheaves and generalized Springer correspondence .....	47
<b>Mabuchi, T.:</b> Multiplier Hermitian structures on Kähler manifolds	73
<b>Ding, Y. and Lu, S.:</b> Hardy spaces estimates for multilinear operators with homogeneous kernels .....	117
<b>Lau, Y.-K.:</b> On a generalized divisor problem II .....	135
<b>Tanimoto, H.:</b> The transcendence degree of an integral domain over a subfield and the dimension of the domain .....	145
<b>Yi, H.-X. and Li, Y.-H.:</b> On Osgood-Yang's conjecture and Mues conjecture .....	163
<b>Huneke, C. and Vraciu, A.:</b> Special tight closure .....	175
<b>Watanabe, T.:</b> The Hardy-Littlewood property of flag varieties	185