This journal was typeset by LATEX, 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 2000 is about \$230.00

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.

All manuscripts should be typewritten in English, French, or German. Papers should be prepared using TEX if possible, but only the printed hard copy should be submitted (2 copies). Authors submitting old-fashioned typescript are requested to clearly distinguish special symbols and letters such as bold-face, script, German and Greek letters. The editors may request the original TEX files of papers accepted for publication. The journal's LATEX style file and its manual can be obtained from the following URL.

http://www.math.nagoya-u.ac.jp/nmj/index.html

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 in

- (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 40 characters).

As soon as we receive a manuscript, a receipt will be sent to the author. When a manuscript has been sent to a referee, the author will receive another notice. These receipts and notices, however, do not mean anything regarding 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: Managing editor, Nagoya Mathematical Journal, Graduate School of Mathematics, Nagoya University, Chikusa-ku, Nagoya, 464-8602, Japan.

CONTENTS

Suyama, Y: Conformally flat hypersurfaces in Euclidean 4-space	1
Fiorenza, A. and Krbec, M.: On the domain and range of the maximal operator	43
Kaji, H. and Yasukura, O.: Tangent loci and certain linear sections of adjoint varieties	63
Zhang, J.: Fixed point theorems of discontinuous increasing operators and applications to nonlinear integro-differential equations	73
Ohsawa, T. and Sibony, N.: Kähler identity on Levi flat manifolds and application to the embedding	87
Ohsawa, T.: Nonexistence of real analytic Levi flat hypersurfaces in \mathbb{P}^2	95
Kolář, I.: Affine structure on Weil bundles	99
Kang, H. and Koo, H.: Two-weighted inequalities for the derivatives of holomorphic functions and Carleson measures on the unit ball	107
Shimomura, K.: The determination of caloric morphisms on Euclidean domains	133
Chen, YM. J., Kitaoka, Y. and Yu, J.: Distribution of units of real quadratic number fields	167
Diederich, K. and Mazzilli, E.: A remark on the theorem of Ohsawa Takegoshi	a- 185