

AMERICAN JOURNAL OF MATHEMATICS

EDITED BY

WILLIAM P. MINICOZZI II
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

FREYDOON SHAHIDI
PURDUE UNIVERSITY

VYACHESLAV SHOKUROV
JOHNS HOPKINS UNIVERSITY

CHRISTOPHER SOGGE
JOHNS HOPKINS UNIVERSITY

WITH THE COOPERATION OF

C. BIRKAR
N. KITCHLOO
B. SHIFFMAN
S.-T. YAU

E. FRIEDLANDER
S. KLAINERMAN
K. SMITH
M. ZWORSKI

H. HIDA
YU. I. MANIN
T. TAO

*Published under the auspices of
JOHNS HOPKINS UNIVERSITY*

VOLUME 144, NUMBER 6
DECEMBER 2022



JOHNS HOPKINS
UNIVERSITY PRESS