

ISSN 0027-7630

# NAGOYA MATHEMATICAL JOURNAL

Volume 226

June 2017

Published by  
Cambridge University Press on behalf of  
the Editorial Board of  
the Nagoya Mathematical Journal

# NAGOYA MATHEMATICAL JOURNAL

## Editors

de Bouard, Anne  
*École Polytechnique, CMAP, Palaiseau*

Fujiwara, Kazuhiro  
*Nagoya University*

Gallagher, Isabelle  
*Université Paris-Diderot*

Henniart, Guy  
*Université Paris-Sud*

Hesselholt, Lars (*Managing Editor*)  
*Nagoya University*

Honda, Ko  
*University of California, Los Angeles*

Iyama, Osamu  
*Nagoya University*

Kedlaya, Kiran  
*University of California, San Diego*

Kondo, Shigeyuki  
*Nagoya University*

Yoshida, Ken-ichi  
*Nihon University, Tokyo*

## Associate Editors

Besson, Gerard  
*Institut Joseph Fourier, Grenoble*

Bona, Jerry L.  
*University of Illinois at Chicago*

Fukaya, Kenji  
*Simons Center for Geometry and Physics, Stony Brook*

Loeser, François  
*Université Pierre et Marie Curie, Paris*

Mori, Shigefumi  
*RIMS, Kyoto University*

Mukai, Shigeru  
*RIMS, Kyoto University*

Nayatani, Shin  
*Nagoya University*

Noguchi, Junjiro  
*University of Tokyo*

Shoji, Toshiaki  
*Tongji University, Shanghai*

Takahashi, Ryo  
*Nagoya University*

Tamagawa, Akio  
*RIMS, Kyoto University*

# NAGOYA MATHEMATICAL JOURNAL

Volume 226

June 2017

## CONTENTS

---

<b>Hahn, J.</b> : <i>W</i> -graphs and Gyoja's <i>W</i> -graph algebra .....	1
<b>Cazenave, T., Dickstein, F. and Weissler, F. B.</b> : Non-regularity in Hölder and Sobolev spaces of solutions to the semilinear heat and Schrödinger equations .....	44
<b>Lerner, B. and Oppermann, S.</b> : A recollement approach to Geigle–Lenzing weighted projective varieties .....	71
<b>Ghezzi, L., Goto, S., Hong, J. and Vasconcelos, W. V.</b> : Sally modules and reduction numbers of ideals .....	106
<b>Akiyama, S. and Loridant, B.</b> : Boundary parametrization and the topology of tiles .....	127
<b>Hashimoto, M.</b> : Canonical and $n$ -canonical modules of a Noetherian algebra .....	165

