

CONTENTS

	Page
Tadao ODA: The first hundred years of the Tohoku Mathematical Journal	461
Takashi SHIOYA*: Collapsing three-manifolds with a lower curvature bound	471
Stephen G. SIMPSON*: Mass problems associated with effectively closed sets	489
Christopher D. SOGGE: Keakeya-Nikodym averages and L^p -norms of eigenfunc- tions	519
Anthony C. KABLE: K -finite solutions to conformally invariant systems of dif- ferential equations	539
Marek FILA and Eiji YANAGIDA: Homoclinic and heteroclinic orbits for a semi- linear parabolic equation	561
Victor BATYREV and Mark BLUME: The functor of toric varieties associated with Weyl chambers and Losev-Manin moduli spaces	581
Yong LIN, Linyuan LU and Shing-Tung YAU: Ricci curvature of graphs	605
Yves ANDRÉ: On nef and semistable hermitian lattices, and their behaviour under tensor product	629
Tomoyuki MIYAJI, Isamu OHNISHI and Yoshio TSUTSUMI: Stability of a sta- tionary solution for the Lugiato-Lefever equation	651
Yuting LIU, Zhi-Ming MA and Chuan ZHOU: Web Markov skeleton processes and their applications	665
Kenji FUKAYA: Counting pseudo-holomorphic discs in Calabi-Yau 3-holds	697
Pavle GOLDSTEIN and Masaki IZUMI: Quasi-free actions of finite groups on the Cuntz algebra \mathcal{O}_∞	729
Masaki HANAMURA: Blow-ups and mixed motives	751
Ahmed ABBES and Takeshi SAITO: Ramification and cleanliness	775
Alessio FIGALLI, Ludovic RIFFORD and Cédric VILLANI: Necessary and suffi- cient conditions for continuity of optimal transport maps on Riemann- ian manifolds	855
Sergio ALBEVERIO, Luca DI PERSIO and Elisa MASTROGIACOMO: Small noise asymptotic expansions for stochastic PDE's, I. The case of a dis- sipative polynomially bounded nonlinearity	877

* Survey article