

Preface

This volume presents the proceedings of the international conference “McKay Correspondence, Mutation and Related Topics” held at Kavli Institute for the Physics and Mathematics of the Universe (IPMU), The University of Tokyo, Japan, as an online conference from July 17 to August 14, 2020. The conference had 25 talks, 7 poster presentations and a total of 281 participants including people coming from all over the world. This conference was held online by several video talks and the free discussions for 2 hours among the speakers for 5 weeks. The conference was organized by Professors Akira Ishii, Osamu Iyama and Yukari Ito. We are deeply indebted to the staff of Kavli IPMU, especially Ms. Eri Shinoda. The official webpage of the conference was managed by Kavli IPMU. Anyone can see the program, abstracts and posters:

https://research.ipmu.jp/seminar/?conference_id=211

We express our sincere gratitude to all the people who supported the conference during the pandemic in 2020. The conference was financially supported by Grants-in-Aid for Scientific Research (C) “Existence of higher dimensional crepant resolutions and generalization of McKay correspondence” (18K03209, Y. Ito), Kavli IPMU, The University of Tokyo and The World Premier International Research Center Initiative (WPI Program). It is our great pleasure that our plan to edit the proceedings of the conference was accepted by the editorial board of the Advanced Studies of Pure Mathematics (ASPM) series. The present volume is now published as part of the series from the Mathematical Society of Japan. All the submitted papers were carefully refereed. We thank all the authors and the referees for their contribution and great effort. The present volume consists of research papers on various recent topics about McKay correspondence, Mutation and related topics. The editors believe that this volume represents the major part of the contributions presented in the conference, and hope that the volume is useful for all researchers and students who are interested in this fruitful research field.

December, 2022

The Editorial Committee

(Yukari Ito, Akira Ishii, Osamu Iyama)

All papers in this volume have been refereed and are in final form. No version of any of them will be submitted for publication elsewhere.