

Prologue

This special issue collects eight papers selected from the presentations given at the 2021 Midwest Numerical Analysis Day on October 29-30, 2021. This conference was organized by the Missouri University of Science and Technology in Rolla, Missouri. It attracted 52 talks including four plenary talks.

The Midwest Numerical Analysis Day started in 1990. Since then, it has become a forum for researchers in computational and applied mathematics, mainly from the Midwestern United States, to exchange ideas in numerical analysis, scientific computing, and related applications. More information on this conference can be found on the website: <https://sites.uwm.edu/mwnaday>.

As guest editors, we thank all the authors for publishing their valuable research ideas and results on this special issue. We also express our gratitude to the executive editors, Professor Yanping Lin and Professor Xiaoming He, for their support and efforts. Finally, we appreciate the contributions from the anonymous reviewers, whose expertise and efforts have ensured the high quality of this special issue.

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