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About the conference ICAAM 2022.
Preface

This issue is a collection of 13 selected papers. These papers are presented at the Sixth International Conference on Analysis and Applied Mathematics (ICAAM 2022) organized by Bahcesehir University, Turkey, Institute of Mathematics and Mathematical Modelling, Kazakhstan, and Analysis & PDE Center, Ghent University, Belgium. The meeting was held on October 31 – November 6, 2022, in Antalya, Turkey. The conference is organized biannually. Previous conferences were held in Gumushane, Turkey in 2012; in Shymkent, Kazakhstan in 2014; in Almaty, Kazakhstan in 2016; in Cyprus, Turkey in 2018 and 2020; in Antalya, Turkey in 2022. The proceedings of ICAAM 2012, ICAAM 2014, ICAAM 2016, ICAAM 2018, and ICAAM 2020 were published in AIP Conference Proceedings (American Institute of Physics) and in some rating scientific journals. Proceedings of ICAAM 2022 will be published in the world-renowned AIP Conference Proceeding Series. The main aim of the International Conferences on Analysis and Applied Mathematics (ICAAM) is to bring mathematicians working in the area of analysis and applied mathematics together to share new trends of applications of mathematics. In mathematics, the developments in the field of applied mathematics open new research areas in analysis and vice versa. That is why, we planned to found the conference series to provide a forum for researches and scientists to communicate their recent developments and to present their original results in various fields of analysis and applied mathematics. This issue presents papers by authors from different countries: Azerbaijan, Iraq, Russian Federation, Cyprus, Turkey, Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan. Especially we are pleased with the fact that many articles are written by co-authors who work in different countries. We are confident that such international integration provides an opportunity for a significant increase in the quality and quantity of scientific publications. Special thanks to Charyyar Ashyralyyev (Turkey) for their valuable assistance. Finally, but not least, we would like to thank the Editorial board of the «Bulletin of the Karaganda University. Mathematics series», who kindly provided an opportunity for the formation of this special issue.

Keywords: control, partial differential equations, hyperbolic-parabolic equations, integro-differential equations, boundary value problem, Dirichelt problem, well-posedness, regular solutions, numerical methods and solutions, difference scheme, involution, stability.

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