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Special Issue Reprint

Numerical and Computational Methods in Structural Engineering and Mechanics

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Mathematical modeling is a cornerstone for addressing complex problems across science and engineering, showcasing its inherently multidisciplinary nature. In structural engineering and mechanics, the development of robust and precise numerical schemes has been instrumental in deepening our understanding of physical phenomena and driving innovation in computational methodologies. The present reprint contains all the articles accepted and published in the Special Issue “Numerical and Computational Methods in Structural Engineering and Mechanics”. This Special Issue is dedicated to exploring advanced mathematical modeling approaches that tackle the diverse challenges faced in these fields. The diverse range of topics covered in this Special Issue reflects the evolving landscape of mathematical modeling in structural engineering and mechanics. By integrating computational advancements with engineering principles, these studies pave the way for future innovations in the field. We hope the collection will serve as a valuable reference and inspiration for further exploration and development in mathematical modeling and engineering mechanics.

