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Special Issue Reprint

Recent Studies in Static and Dynamic Behaviour of Engineering Structures

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The study of the static and dynamic behavior of engineering structures is a core field in the global scientific community, garnering attention from multiple disciplines such as civil engineering and mechanical engineering. In recent years, with the development of urbanization, technological progress, and the increasing complexity of structures, significant breakthroughs have been made in relevant research in various directions. Reprint, titled "Recent Studies in Static and Dynamic Behaviour of Engineering Structures", focuses on the latest progress in this field. It covers areas such as the performance optimization of FRP-reinforced structures, wind-induced vibration control of high-rise structures, energy-dissipating and vibration-reducing structural systems, the performance of steel–concrete composite structure joints, and the mechanical properties of special cross-section components. It also includes theoretical exploration, numerical simulation, experimental technology, and health monitoring of static and dynamic characteristics of structures. This Special Issue summarizes the research results in the above fields, and points out important research issues and future directions, providing references for subsequent studies.

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