



mathematics



Special Issue Reprint

Mathematical Modeling of Engineering and Socio-Economic Processes and Systems

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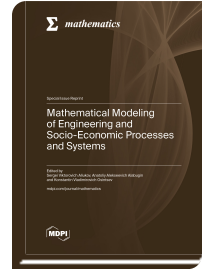
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This reprint contains articles based on the results of mathematical modeling for solving engineering and socio-economic problems. This means applying mathematical applications in mathematical and non-mathematical contexts. The following areas of work are relevant in engineering processes and control systems for the objectives of different industries, for example, power engineering: the improvement of technical, technological, and information methods for the effective integration of renewable and traditional energy facilities in energy technology complexes; the modeling and regulation of non-equilibrium processes of thermal power engineering with the development of new theoretical models; and the improvement of theoretical and methodological approaches to the description of jump and impulse processes when combining the capabilities of complex systems using diversified material and energy resources. In the field of mechanical engineering, works related to the mathematical description of adaptive technical systems and the improvement of engineering systems and processes are relevant.



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