



Special Issue Reprint

Applied Mathematics in Energy and Mechanical Engineering

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Today, it is difficult to imagine the development of energy and mechanical engineering without the use of modern mathematical approaches. The active development of science, engineering and technology requires the use of physical and mathematical modeling, digital twins, machine learning, artificial intelligence algorithms, etc.

The aim this Special Issue is to collect scientific articles reflecting the latest advances in mathematical apparatus applications in complex engineering problems.

This Special Issue comprises 15 high-quality mathematical papers in a variety of technical areas, ranging from thermal engineering and gas dynamics to optics and electric vehicles, and will be useful to students, teachers, scientists and industrial specialists who deal with problems of applied mathematics in energy and mechanical engineering.





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