

PROSPECTS 5.0 Industry 5.0 Wiki

Did You Know Series

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Mathematical modelling and simulation drive Industry 5.0

Mathematical modelling and simulation are essential tools in Industry 5.0. They allow researchers and engineers to simulate complex industrial systems, test different scenarios, and optimize designs before implementation. They are extensively used in various industries, including manufacturing, transportation, energy, and healthcare, among others.

Source: K. Das, B. Saikia, and N. Bora, 'ROLE OF MATHEMATICS TO BUILD A SUSTAINABLE FUTURE FOR INDUSTRY 5.0', *JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES*, vol. 19, pp. 80–93, Aug. 2024.



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