

PROSPECTS 5.0 Industry 5.0 Wiki

Did You Know Series

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Mathematics optimizes Industry 5.0 processes

Mathematics plays a crucial role in optimization problems, which involve finding the best possible solution among a set of feasible solutions subject to the given constraints and objectives. In Industry 5.0, optimization techniques can be used to improve efficiency, resource allocation, and scheduling in manufacturing processes, logistics, and supply chain management.

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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