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approximate but accurate solutions to hard problems, the variety of which is suggested by the following: Advanced numerical methods are essential in making numerical weather prediction feasible.

Numerical analysis - Wikipedia

An Introduction to Numerical Methods for the Solutions of Partial Differential Equations Manoj Kumar, Garima Mishra . Department of Mathematics, Motilal Nehru National Institute of Technology, Allahabad, India . ... solutions of boundary value problems as well as explicit

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