

## Solving Ordinary Differential Equations Nonstiff Problems

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Solving Ordinary Differential Equations I: Nonstiff Problems (E. Hairer, S. P. Norsett, and G. Wanner)

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The characteristics and capabilities of the best codes for solving the initial value problem for ordinary differential equations are studied. Only codes which are readily available, portable, and very efficient are examined.

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Solving Ordinary Differential Equations I: Nonstiff ...

Hairer, E.; Norsett, S. P.; Wanner, G., Solving Ordinary Differential Equations. I: Nonstiff Problems. Berlin etc., Springer Verlag 1987. XIV, 480 pp., 105 figs ...

Hairer, E.; Norsett, S. P.; Wanner, G., Solving Ordinary ...

Sergeyev Y (2013) Solving ordinary differential equations on the Infinity Computer by working with infinitesimals numerically, Applied Mathematics and Computation, 219:22, (10668-10681), Online publication date: 1-Jul-2013.

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Solving Ordinary Differential Equations I | SpringerLink

In mathematics, a stiff equation is a differential equation for which certain numerical methods for solving the equation are numerically unstable, unless the step size is taken to be extremely small. It has proven difficult to formulate a precise definition of stiffness, but the main idea is that the equation includes some terms that can lead to rapid variation in the solution.

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Solving Nonstiff Ordinary Differential Equations—The State ...

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Solving ordinary differential equations I (2nd revised. ed ...

Solving ordinary differential equations I. Nonstiff problems. 2nd revised edition, printing 2009. Solving ordinary differential equations II. Stiff and differential-algebraic problems. 2nd revised edition, printing 2010. Geometric numerical integration. Structure-preserving algorithms for ordinary differential equations. 2nd edition, printing 2010.

Solving Ordinary Differential Equations I: Nonstiff ...

PDF | On Jan 1, 1993, E. Hairer and others published Solving Ordinary Differential Equations I: Nonstiff Problems | Find, read and cite all the research you need on ResearchGate

Solving Ordinary Differential Equations Nonstiff

Solving Ordinary Differential Equations I Nonstiff Problems. Authors: Hairer, Ernst, Norsett, Syvert P., Wanner, Gerhard

Stiff equation - Wikipedia

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