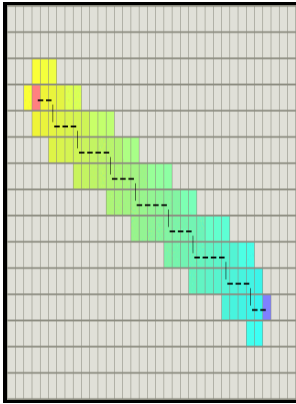# Time-accurate multiple-grid algorithm

AIAA - Analysis of multigrid methods for general systems of PDE

Description: -

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Multigrid algorithmstime-accurate multiple-grid algorithm

-time-accurate multiple-grid algorithm

Notes: Bibliographical references: p.62.

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Tags: #Multiple #Grid #and #Multiple #Time

AMS :: Mathematics of Computation

Damped, direction-dependent multigrid for hypersonic flow computations.

Multiple Grid and Multiple Time

Two-grid solution of shock problems. This use of multiple-gridding to increase the convergence rate results in substantially reduced work requirements for the numerical solution of a wide range of flow problems. Lancaster, Theory of matrices, Academic Press, New York, 1969.

Multiple

Hackbusch, Multigrid methods and applications, Springer-Verlag, Berlin, Heidelberg, 1985. Multigrid for the one-dimensional invscid burgers equations.

Monotonicity preserving multigrid time stepping schemes for conservation laws

The analysis is performed for general partial differential equations and an arbitrary number of grids.

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