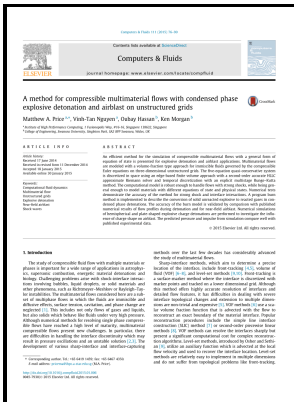# Godunov-type schemes applied to detonation flows

Institute for Computer Applications in Science and Engineering - Godunov's scheme

Description: -

-

Godunov methods

Detonation wavesGodunov-type schemes applied to detonation flows

-Godunov-type schemes applied to detonation flows

Notes: Includes bibliographical references: p. 17-18.

This edition was published in 1993

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Godunov

There is a broken feature at the contact discontinuity, and this is caused by the steep gradients there. Traveling waves for conservation laws with nonlocal flux for traffic flow on rough roads. Many different kernel functions have been proposed ; ; ;.

Implementations and tests of Godunov

Chapter 6 is devoted to higher-order schemes in one dimension of space. We appreciate your continued effort and commitment to helping advance science, and allowing us to publish the best physics journals in the world. Moreover, the proposed scheme can be extended to problems with piecewise continuous cross-sectional area.

CiteSeerX — Second

The number of neighbours is three to five in the range of 1.

Godunov

Finally, it should be noted that the proposed scheme retains the same order of accuracy as the underlying classical scheme.

A Godunov

In standard SPH, some form of artificial viscosity is essential for treating shock waves. The physical quantities and the initial configuration for the SIS collapse test are given in.

Implementations and tests of Godunov

This is the reason why we presume that the stability of case 4 is the same as cases 1—3.

Phys. Rev. Fluids 2, 053201 (2017)

Positive velocity means propagation away from the centre and negative velocity means propagation towards the centre. New entropy conditions for scalar conservation laws with discontinuous flux.

A Godunov type scheme for a class of LWR traffic flow models with non

The divergence of iterative Riemann solvers will be discussed further in. Scalar conservation law with discontinuous flux in a bounded domain. However, whereas the SPH code used for comparison is second order in time as are all the stable SPH codes of which we are aware , the implementations of GPH are only first order in time.

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