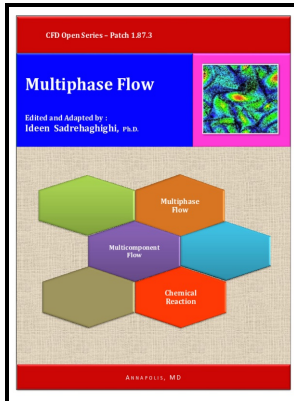


Response of a chemically reacting layer to streamwise vorticity

National Aeronautics and Space Administration, Lewis Research Center - Direct Simulation of Particle Dispersion in a Three



Description: -

- Metallurgy
Material Science
Science/Mathematics
Technology & Industrial Arts
Technology & Engineering
Alloys
Metals technology / metallurgy
Inorganic chemistry
Fluid mechanics. Response of a chemically reacting layer to streamwise vorticity

- NASA technical memorandum -- 102288. Response of a chemically reacting layer to streamwise vorticity

Notes: Distributed to depository libraries in microfiche.

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Tags: #Response #of #a #chemically #reacting #shear #layer #to #streamwise #vorticity

Response of a chemically reacting shear layer to streamwise vorticity

Included in the publication was the Anniversary meeting and reports.

Direct Simulation of Particle Dispersion in a Three

Response of a chemically reacting shear layer to streamwise vorticity A series of Direct Numerical Simulations are performed of a temporally evolving shear layer subject to both harmonic 2D and streamwise 3D forcing.

Spanwise domain effects on streamwise vortices in the plane turbulent mixing layer

The coherent structures in a plane mixing layer between two parallel streams were numerically simulated using a pseudo-spectral method.

Topology of the vorticity field in three

By the 3rd volume the abstracts were arranged under the order in which the papers had been read at the meetings; the report of each discussion meeting was headed by a brief account of the business which preceded the reading of the papers. A simulation lacking in a spanwise direction produces poor turbulence statistics, and is not a reliable representation of the real mixing layer flow.

Spanwise domain effects on streamwise vortices in the plane turbulent mixing layer

Comparison between experiment and visualization indicates that important features of the three-dimensional evolution can be reproduced by inviscid vortex dynamics.

Direct Simulation of Particle Dispersion in a Three

Obituary Notices were printed in Proceedings up to April 1932 but since then have appeared as a separate publication.

Response of a chemically reacting shear layer to streamwise vorticity

The flow was studied numerically by means of three-dimensional inviscid vortex dynamics. The interaction and coupling of these various 2D and 3D modes is shown to significantly alter the development of the flow. In 1905 the bulk of Proceedings increased so much that it split into two series: Series A papers on the Mathematical, Physical and Engineering sciences and Series B, Biological sciences.

Related Books

- [Repouso póstumo do natalense no cemitério do Alecrim](#)
- [Adwā' 'alā al-zirā'ah al-'Arabīyah](#)
- [Kuthbān al-ramlīyah fi Miṣr](#)
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