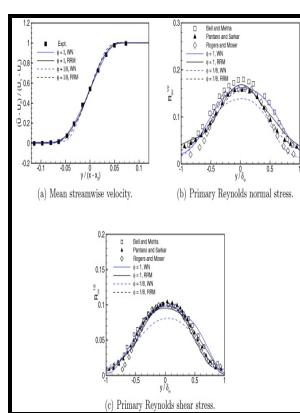


# Response of a chemically reacting layer to streamwise vorticity

National Aeronautics and Space Administration, Lewis Research Center - Topology of the vorticity field in 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.  
This edition was published in 1990



Filesize: 59.73 MB

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

## Direct Simulation of Particle Dispersion in a Three

The interaction and coupling of these various 2D and 3D modes is shown to significantly alter the development of the flow. 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

In this way, the formation and evolution of streamwise vortex tubes and their interaction with the spanwise vortices are analyzed.

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

The streamwise structure is artificially confined when its wavelength matches that of the spanwise domain extent, and a criterion for confinement is postulated.

## Topology of the vorticity field in three

The flow was studied numerically by means of three-dimensional inviscid vortex dynamics.

## Related Books

- [Time managment in answering reference enquiries in the History and Glasgow Room of the Mitchell Library](#)
- [Metody optimizatsii rezhimov énergosistem](#)
- [Preobrazovanie i vosstanovlenie razrysov v zadachakh tomograficheskogo tipa](#)
- [Pratiquer la psychologie clinique auprès des adultes et des personnes âgées](#)
- [Sefer pitgamei Oraita - ‘al parashiyot ha-Torah, Shabatot u-mo‘adim ve-rashe hodashim she-ne’ emru bi](#)