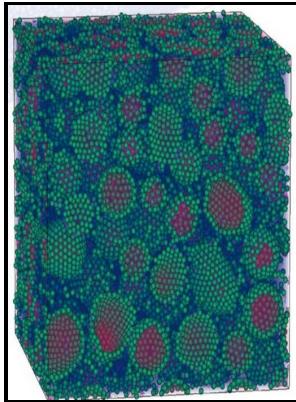


# Theory of structured multiphase mixtures

**Springer-Verlag - A constitutive model of multiphase mixtures and its application in shearing flows of saturated solid**



Description: -

- Community mental health services -- United States
- Mental health services -- United States
- Multiphase flow -- Mathematical models. Theory of structured multiphase mixtures
  
- Biblioteka Samostīnoi dumky -- ch. 14.
- Biblioteka Samostīnoi dumky v Chernivtsiakh -- ch. 14
- 372
- Lecture notes in physics ; Theory of structured multiphase mixtures
- Notes: Includes bibliographical references (p. [201]-207) and index.
- This edition was published in 1991



Filesize: 61.21 MB

Tags: #Theory #of#Structured #Multiphase #Mixtures

## **Multiphase carbon and its properties in complex mixtures (Conference)**

The main theme of this paper is that the carbon in detonation products is in the form of a colloidal suspension of carbon clusters which grow through diffusion limited collisions.

## **Modeling of structured multiphase mixtures**

We first present a new determination of the carbon melt line from release wave velocity measurements in the shocked state.

### **A Theory of Multiphase Mixtures**

A material deformation postulate leads to structured mixtures.

### **Theory of Structured Multiphase Mixtures**

Typically, for the solid phase, in the vicinity of a boundary, if the solid-volume fraction is low, a layer of high shear rate occurs, whose thickness is nearly between 5 and 15 grain diameters, while if the solid-volume fraction is high, an interlock phenomenon occurs. The Lindeman criterion for melting is rederived for the anisotropic structure of the graphite lattice.

### **Theory of Dispersed Multiphase Flow**

Cite this chapter as: Passman S. Wang, Yongqi; Hutter, Kolumban 2014-02-05 00:00:00 A continuum theory of a multiphase mixture is formulated.

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