

Introduction to rheology

Composante
Sciences Fondamentales et Appliquées

En bref

Langue(s) d'enseignement: Anglais

Ouvert aux étudiants en échange: Non

Présentation

Description

An introduction to rheological behaviours is realized and links between physico-chemical properties are described. The flow in different materials is concerned such as geomaterials (clay suspensions, concrete, cement paste), polymer melts, solutions or micelles.

The main behaviours laws are presented from a mathematical point of view. Then measurements geometries and typical protocols are described with the advantages and drawbacks of each. Finally, application curves with different materials are analysed using the previous models.

Heures d'enseignement

CM	CM	8h
----	----	----