

Introduction à la Microfluidique



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- › **plugin.odf-inp:PLUGINS_ODF_COURSE_NBHOURS_TXT:** 12,5
- › **Code:** N8EM07A

Presentation

Objectives

Present important and useful concepts to microfluidics focusing on small scale hydrodynamics and the effect of surface forces on Stokes flows.

Description

1. Introduction: MEMS to microfluidics
 2. Physics at the micrometric scale
 3. Hydrodynamics of microfluidic systems
 4. Interfacial hydrodynamics
 5. BE: Microfabrication - Applications
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Pre-requisites

Meca Fluides 1 et 2