

Livio Fedeli

Publication related to the Ph.D. Thesis

- A.DeSimone, L.Fedeli, A.Turco:
Title: A Phase Field Approach to Wetting and Contact Angle Hysteresis Phenomena.
Proceeding book: Symposium on Variational Concepts with Applications to the Mechanics of Materials, IUTAM Bookseries 21, Springer Science + Business Media B.V. 2010, Page 51.
- L. Fedeli, A. Turco, A. DeSimone:
Title: Metastable equilibria of capillary drops on solid surfaces: a phase field approach.
Journal: Continuum Mechanics and Thermodynamics: Volume 23, Issue 5 (2011) , Page 453.
- S.Cacace, A. Chambolle, A. DeSimone, L. Fedeli:
Title: Macroscopic contact angle of liquid drops on rough surfaces via homogenization and numerical simulations.
(Submitted for publication)
- L. Fedeli:
Title: A Quasi Newton method for the numerical solution of the phase field capillary problem.
(In preparation)