

Lista de lucrări

(cu Mathematical Reviews Number - MR - unde este cazul)

Teza de doctorat

Quelques problèmes asymptotiques liés à l'équation de Ginzburg-Landau (Câteva probleme asimptotice legate de ecuația Ginzburg-Landau), Universitatea "Pierre et Marie Curie" - Paris VI, Paris, 2 iulie 1996, conducător științific: prof. Haïm Brezis.

Cărți & Capitole de cărți

1. Barbu, Viorel ; Lefter, Cătălin . Optimal control of ordinary differential equations. Handbook of differential equations: ordinary differential equations. Vol. II, 1–75, Elsevier B. V., Amsterdam, 2005. **MR2182756**
2. Lefter, Cătălin . Calculul variațiilor și controlul ecuațiilor diferențiale, Editura Alexandru Myller, Iași, 2006. (ISBN 973-86987-4-X)
3. Lefter, Cătălin . Ecuații diferențiale și sisteme dinamice, Editura Alexandru Myller, Iași, 2006. (ISBN 973-86987-7-4)

Articole publicate în reviste

1. Cătălin Lefter . Feedback stabilization of magnetohydrodynamic equations. Preprint nr. 1144/2006 - WIAS - Berlin (ISSN 0946-863), lucrare trimisă spre publicare în SIAM Journal on Control and Optimization .
2. Cătălin Lefter, Jürgen Sprekels . Optimal boundary control of a phase field system modeling nonisothermal phase transitions. Preprint nr. 1187/2006 - WIAS - Berlin (ISSN 0946-863), Advances in Mathematical Sciences and Applications, vol 17 (2007),181-194.
3. Cătălin Lefter . Feedback stabilization of Navier-Stokes equations with Navier-slip boundary conditions, Nonlinear Analysis TMA, va apare (doi:10.1016/j.na.2007.12.026).

4. De Maio, U. ; Gaudiello, A. ; Lefter, C. Optimal control for a parabolic problem in a domain with highly oscillating boundary. *Appl. Anal.* 83 (2004), no. 12, 1245–1264. **MR2104150**
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7. Gaudiello, Antonio ; Gustafsson, Björn ; Lefter, Catalin ; Mossino, Jacqueline . Asymptotic analysis of a class of minimization problems in a thin multidomain. *Calc. Var. Partial Differential Equations* 15 (2002), no. 2, 181–201. **MR1930246**
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10. Lefter, Cătălin . Critical point theorems for lower semicontinuous functionals. *An. Științ. Univ. Al. I. Cuza Iași. Mat. (N.S.)* 47 (2001), no. 1, 189–198 (2002). **MR1920202**
11. Lefter, Cătălin . On the Ginzburg-Landau energy with a weight vanishing at the boundary. *Nonlinear Anal.* 43 (2001), no. 3, Ser. A: Theory Methods, 325–337. **MR1796980**
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