

# PHYSIQUE DES SYSTÈMES COMPLEXES

## PUBLICATIONS - PSC

### Année 2011

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**A. Tekaya, R. Bouzerar, V. Bourny**

*Mechanical suppression of tunneling between metallic beads*  
World Journal Of Engineering, in press (2011)

**G. Chivot, V. Andrieux, L. Le Cunff, C. Meyer**

*Double Helices folding half Parabolic Focal Conics in chiral smectics*  
Liq. Cryst. 38, 6, 749-756 (2011)

**I. Tekaya, R. Bouzerar, R. Bouzerar**

*A physical model for brain ventricle dynamics*  
Computer Methods in Biomechanics and Biomedical Engineering, 14:sup1, 129-131 (2011)

**Barbero G.; Lelidis I.**

*Electrical Response of a Medium Containing Dissociable Impurities*  
Journal of Physical Chemistry B 115 (13), 3496-3504 (2011)

**Vasseur H, Djellab K.**

*Planar and non-planar solidification of optically organised smectic films*  
Liquid Crystals 38 (5), 575-579 (2011)

**A. Tekaya, R. Bouzerar, V. Bourny, I. Tekaya.**

*Electron tunneling in metallic beads systems and slow electric relaxation*  
World Journal Of Engineering Vol 8, numéro 2, (2011)

**S. Bresson, D. Rousseau , S. Ghosh , M. El Marssi, V. Faivre**

*Raman spectroscopy of the polymorphic forms and liquid state of cocoa butter*  
Eur. J. Lipid Sci. Technol. 113 (8), 992-1004 (2011)

### Année 2010

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**G. Foyart, A. Ponton, C. Meyer, L. Aymard**

*Structure et rhéologie de phases lyotropes nématiques dopées en microparticules monodisperses*  
Cahiers du GFR, Lyon, 3-5 Novembre (2010)

**Vasseur H.**

*Cohesive suction-cup force in cell separation dynamics*  
EPL 91 (2) Number: 28004 (2010)

**C. Meyer, H. P. Logbo, B. Briouel, J.C. Picot, Yu. A. Nastishin, M. Kleman**

*Double helical defects in Smectic A and Smectic A\* phases*  
Liq. Cryst. 37, 8, 1047-1057 (2010)

**G. Barbero, C. Meyer and I. Lelidis**

*Rheological properties of a nematic cell oriented in a planar manner*  
Physics Lett. A 374, 2494 (2010)

**B. Mettout, P. Tolédano and M. Fiebig**

*Symmetry replication and Toroidic effects in the multiferroic pyroxene NaFeSi<sub>2</sub>O<sub>6</sub>*  
Physical Review B 81, 214417 (2010)

**C. Meyer, Yu. A. Nastishin, M. Kleman**

*Helical defects in Smectic A and Smectic A\* phases*  
Phys. Rev. E 82, 3, 031704-1-12 (2010)

**B. Mettout and V. Lorman**

*Dual Symmetry in Bent-Core Liquid Crystals and Unconventional Superconductors*  
Symmetry 2, 15-39: (2010)

**P. Tolédano, B. Mettout, W. Schranz and G. Krexner**

*Directional magnetoelectric effects in MnWO<sub>4</sub>, Magnetic sources of the electric polarization*  
J. Physics: Condens. Matter 22, 065901 (2010)