ISTITUTO DI MATEMATICA APPLICATA E TECNOLOGIE INFORMATICHE (CNR)
DIPARTIMENTO DI MATEMATICA "FELICE CASORATI"
via Ferrata,1 – 27100 Pavia (Italia)

Seminario di Matematica Applicata

Martedì 11 Febbraio alle ore 16 a Pavia, nella Sala Conferenze dell'IMATI-CNR (ex IAN), il

Prof. Lech Longa
Department of Statistical Physics
Jagellonian University
Kraków, Poland

terrà la conferenza:

deGennes model of chiral liquid crystals

Abstract. Chirality is a fascinating issue in liquid crystal physics. It leads to fundamentally new phases like the ("Abrikosov") Twist Grain Boundary phases, the cubic Blue Phases and the isotropic liquid phases (one of them being known as BPIII). In the first part of the talk a systematic characterization of these phases will be offered. Then we turn to the discussion of the phenomenological deGennes free energy expansion, which is crucial for our present way of thinking about chirality. Also a role of chirality-induced correlations in proper explanation of BPIII—the most puzzling of the chiral phases—will be discussed.

La S.V. è cordialmente invitata.

☕ Dopo la conferenza sarà organizzato un breve rinfresco ☕