

Faculdade de Ciências da Universidade de Lisboa  
cmafci@fc.ul.pt Tel. (+351) 21 750 00 27

# SEMINÁRIO DE GEOMETRIA

Dia 2 de Março (sexta-feira), às 13h30, sala 6.2.33

## Intersection theory in a nearly-smooth complex space

**Daniel Barlet**

(Inst. Élie Cartan, Lorraine)

**Abstract:** We shall explain how the classical intersection theory of cycles in a complex manifold is generalized to an ambient nearly smooth complex space. A key point is the local moving lemma for cycles in a complex manifold. The new phenomenon is the fact that the intersection multiplicity of two integral cycles may be a rational not integral number in this context.

*Seminário financiado por Fundos Nacionais através da FCT – Fundação para a Ciência e a Tecnologia no âmbito do projeto UID/MAT/04561/2013*