

Seminários Genet-Roussel



Palestrante: **Dmitry Kaledin** (Steklov)

Data: **1 de março** (sexta-feira)

Local: TBA

Horário: 14:30–16:30

Fedosov quantization in algebraic geometry

Back in 1980es, Fedosov introduced a general procedure for doing deformation quantization of symplectic manifolds. This was in the C^∞ -setting. It turns out that the story has an algebraic and a holomorphic counterpart. It is not very difficult but quite useful. Moreover, in this setting the usual commutative deformation theory is non-trivial and interesting; it fits very nicely with the deformation quantizations, so that we get a unified picture. This is what I am going to present. I will not assume any prior knowledge of deformation quantization, and only some very basic knowledge of algebraic or complex geometry, whichever you like best.

