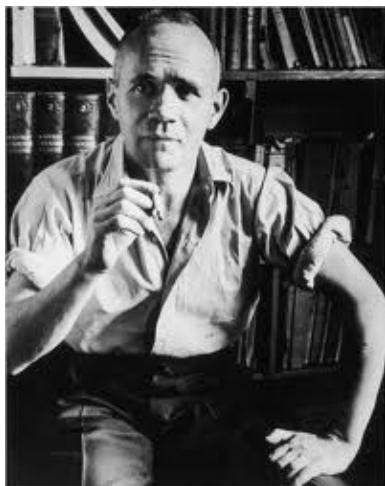# Seminários Genet-Roussel

Palestrante: **Henrique Bursztyn** (IMPA)

Data: **1 de março** (sexta-feira)

Local: TBA

Horário: 10:30–12:30

Deformation quantization

"Deformation quantization" offers an approach to the quantization problem in physics (i.e., the passage from classical to quantum mechanics) based on the deformation theory of algebraic structures. This talk will discuss the very basics of deformation quantization, including its motivation, origins, mathematical formulation, and main results. Along the way, we will indicate how ideas from physics can be profitable to (pure) mathematics (which turns out to be a common recent trend, particularly in geometry and topology). The main result in the area follows from Kontsevich's formality theorem, one of the responsibles for his 1998 Fields medal.