



## EDAÍ 3 de dezembro de 2010 na UFF

Sala de Seminários, 7º andar, Instituto de Matemática.

Palestra 1: 14h30 – 15h30

### **Decaimento robusto de correlações para fluxos singulares**

Vítor Araújo (UFRJ)

Falarei de trabalho conjunto com P. Varandas (UFBA-Salvador) sobre decaimento exponencial robusto de correlações para classes abertas de atratores geométricos de Lorenz.

Palestra 2: 15h45 – 16h45

### **On compact center leaves**

Andy Hammerlindl (IMPA)

In a three-dimensional partially hyperbolic system, all, some, or none of the leaves of the center foliation may be compact circles. The known examples suggest that this trichotomy may help in classifying the systems. I will talk briefly about these examples and show that in the case of a system where all of the center leaves are compact, the space is finitely covered by a nilmanifold and the system is a type of skew-product.

Café: 16h45 – 17h15

Palestra 3: 17h15 – 18h15

### **Towards the solution to three old problems in codimension-1 foliations**

Andrés Navas (Universidad de Santiago de Chile)

In a joint work with V. Kleptsyn and B. Deroin, we have found arguments that yield to solutions of three old problems (at least in the real-analytic case), namely:

- The ergodicity of minimal foliations.
- The zero measure for exceptional minimal sets.
- The finiteness of the number of orbits of connected components of the complement of exceptional minimal sets.

I will explain the main ideas leading to these results.

Confraternização EDAÍ: 19h00 – ∞

**Chopp na Cantareira**