
*** PROGRAMA DE VERÃO 2012 ***

SISTEMAS DINÂMICOS

Renormalization in low dimensional dynamics

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There are many reasons to avoid calling chaotic dynamical systems chaotic. Often the complicated and rich aspects of these chaotic systems seem to be very well organized. For example, their probabilistic behavior is often governed by very strong statistical laws. The attractors of such systems have often an intricate geometrical structure. Again, the microscopic geometrical properties of these attractors is often governed by very strong universal laws. Renormalization is a method to detect and explain these laws. Renormalization has been very successful in one-dimensional dynamics. In recent years the theory has been extended to higher dimensional systems. However, it is still far from being completed. The course gives an overview of the use of renormalization in low dimensional dynamics.

Data: 09 de Janeiro das 16:00 às 17:40 e 10, 11, 12 e 13 de Janeiro, das 14:00 às 15:40

Local: Auditório Antônio Gilioli (247/262 -- A).