UNICAMP – IMECC
Departamento de Matemática

Seminário de Sistemas Dinâmicos e Estocásticos

Expositor: A. Jacquemard (Université de Bourgogne)

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Resumo. A lot of problems arising in industrial applications, for instance in mechanical and electromechanical systems, are linked with the study of discontinuous oscillations. The modelisation of such problems involves in general several parameters and leads to consideration of differential equations whose right hand sides are defined by discontinuous functions.

We present some results about second order discontinuous equations subject to forcing, focusing our study on the determination and the enumeration of periodic solutions.

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