
*** PROGRAMA DE VERÃO 2012 ***

SISTEMAS DINÂMICOS

Conley's spectral sequences in a continuation

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In this talk we consider a filtered chain complex C and its differential given by a connection matrix Δ which determines associated spectral sequence $(E^r; d^r)$. We present an algorithm which sweeps the connection matrix in order to span the modules E^r in terms of basis of C and give the differentials d^r . In this process a sequence of similar connection matrices and associated transition matrices are produced. This algebraic procedure can be viewed as a continuation of a family of flows where the transition matrices give information on the bifurcation behavior.

Data: 09 de Fevereiro, às 14:00
Local: Auditório Antônio Gilioli (247/262 A)