ISOSPECTRAL REDUCTION AND ITS APPLICATIONS TO NETWORK DYNAMICS

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Resumo. L. Bunimovich and B. Webb introduced an important tool, the *isospectral reduction*, for analyzing network/graph dynamics. Isospectral reductions reduce the dimension of a matrix/graph while preserving its eigenvalues and eigenvectors. More recently, this theory was extended to infinite graphs.

In this talk, we present an overview of isospectral reduction and its applications to network dynamics.

References:

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