Coloquio IMAFI

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Matrix-valued spectrum and Time and band limiting for matrix-valued functions.

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Abstract

The problem of recovering a signal of finite duration from a piece of its Fourier transform was solved at Bell Labs in the 1960's, by exploiting a "miracle": a certain naturally appearing integral operator commutes with an explicit differential one. We will show that this same miracle holds in a matrix valued version of the same problem.

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