Fall 2015

Colloquium Series

Friday, November 20, 2015 at 3pm in Bell Hall 143

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M-Operators over infinite dimensional spaces

The notion of an M-matrix is well known in the context of iterative solutions of linear systems and Leontief linear economic models. There is also the concept of a Q-matrix in the context of a linear complementarity problem. For real square matrices with nonpositive off-diagonal entries, these two notions coincide. In this talk extensions of this result for operators over Hilbert spaces will be reported.

(This is a very recent work with my former Ph.D. student, Rajesh Kannan.)