

# ALGEBRA SEMINAR

## *Perron-Frobenius properties of general matrices*

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ABSTRACT: Matrices which have a positive dominant eigenvalue, with the corresponding eigenvector being positive or non-negative, are said to have the Perron-Frobenius property. This property is naturally enjoyed by non-negative matrices. In this talk, we analyze the Perron-Frobenius property for matrices which are not necessarily non-negative.

Monday, November 13, 2006, 1:40 – 2:30 pm,  
Wachman 617