

APPLIED MATHEMATICS COLLOQUIUM

SOME KRONECKER PRODUCT OPTIMIZATION PROBLEMS

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ABSTRACT:

Several problems that involve finding "best" Kronecker product (KP) approximations will be discussed, including (a) the approximation of a Markov matrix by the KP of two smaller Markov matrices, (b) the compression of a 3D tensor and (c) the generalization DFT matrix factorizations. In terms of work completed, $(a) > (b) > (c)$. In terms of hard open problems, $(a) < (b) < (c)$!

MONDAY, DECEMBER 4, 2006

4:30 PM

Building 2, Room 105

*Refreshments at 4:00 PM in Building 4, Room 174
(Math Majors Lounge)*

Applied Math Colloquium: <http://www-math.mit.edu/amc/fall06>
Math Department: <http://www-math.mit.edu>



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