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