



# Colloquium

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## ADAPTIVE FOURIER DECOMPOSITIONS (AFDs) AND BEST APPROXIMATION BY RATIONAL FUNCTIONS

Friday, April 8, 2011

3:00 p.m. in ES-143

(tea & coffee at 2:30 p.m. in ES-152)

ABSTRACT. The talk will compare three different models of adaptive Fourier decompositions with illustrative experimental results. We introduce the problem of best approximation by rational functions and its connection with the AFDs, as well as some questions in relation to the algorithm of its solution.