

## **abstract**

COMPUTER SCIENCE/DISCRETE MATH II

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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Affine extractors are maps over  $F^n$  that are balanced on every affine subspace of large enough dimension. A random map is, with high probability, a good affine extractor. However so far we do not know how to build explicit affine extractors that are as good as the random ones. We will discuss a construction of an explicit affine extractor, in the spirit of a previous construction by Bourgain. This construction yields a slightly better affine extractor, and a simpler proof.