Mathematics, Statistics, and Computer Science   **@ UIC**

Graduate Theoretical Computer Science Seminar

Hardness amplification using error correcting codes

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Abstract: We'll discuss the applications of efficient local decoding techniques to amplify a worst-case hard function for circuits to an average-case hard function. Together with a previous talk by Adam Lelkes on the Nisan-Wigderson pseudoranom generator, this gives a complete derandomization of BPP from the existence of a worst-case hard function.

Monday, March 2 at 4:00 PM in SEO 427