

abstract

COMPUTER SCIENCE/DISCRETE MATH II

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

The product replacement algorithm is a commonly used algorithm to generate a random element in a finite group. While its performance is quite outstanding, its theoretical understanding is quite poor. We will present a joint work with Igor Pak (JAMS 2001) which suggests a conceptual way to study this algorithm and gives some partial results. Some questions and directions developed following that work will also be presented.