SEMINÁRIOS

SÉRIES TEMPORAIS, ONDALETAS E DADOS FUNCIONAIS

LOCAL: **IMECC-Unicamp, Sala 121**

DATA: **24 de outubro de 2013**

HORÁRIO: **14h00**

BIVARIATE HIGH-LEVEL EXCEEDANCE AND THE CHEN-STEIN THEOREM IN GENOMICS MULTIPLE HYPOTHESIS TESTING PERSPECTIVES[1]
P. K. Sen (UNC, Chapel Hill)

In genomic studies, generally the genes are neither independent nor marginally identically distributed, though in microarray studies and DNA/RNA SNP models, often they are assumed to be independent and identically distributed. A version of the ChenStein theorem on Poisson approximation for dependent binary variables has been adopted for a mathematical justification of this approach in a general genomic setup.

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[1]Joint work with M. Kang