## CONSTRUCTION OF NORMAL NUMBERS BY PSEUDO-POLYNOMIAL SEQUENCES OVER THE PRIMES

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The second talk focuses on the connection between uniform distribution and normal numbers. We want to start with a definition of normal numbers and some basic results. Then we show different methods of construction. Focusing on the "analytic method" we point out the similarities of the occurring exponential sums with those present in the proof of uniform distribution needed for the van der Corput sets. Finally we extend these exponential sum estimates in order to construct normal numbers.

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