

## PÓLYA-EGGENBERGER-FRIEDMAN URN MODELS: A NEW APPROACH

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In this talk we will consider the classical and other generalizations including infinite color generalization of the Pólya-Eggenberger-Friedman Urn Models and show that in the *balanced* case the configuration of the urn after  $n$  steps can be obtained by sampling the underlying Markov chain at random time which depends on  $n$ . We will show that most of the existing results may be derived using this representation. Moreover new results will be derived particularly for the infinite color case.