Strong limit theorems in the multi-color generalized allocation scheme

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Abstract

The generalized allocation scheme is studied. Its extension for coloured balls is defined. Some analogues of the Law of the Iterated Logarithm and the Strong Law of Large Numbers are obtained for the number of boxes containing fixed numbers of balls.

Keywords

Conditional probability, Exponential inequality., Generalized allocation scheme, Law of Large Numbers, Law of the Iterated Logarithm