

Studia Scientiarum Mathematicarum Hungarica 2005 vol.42 N2, pages 173-194

---

## Almost sure limit theorems for random allocations

Fazekas I., Chuprunov A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

Almost sure limit theorems are presented for random allocations. A general almost sure limit theorem is proved for arrays of random variables. It is applied to obtain almost sure versions of the central limit theorem for the number of empty boxes when the parameters are in the central domain. Almost sure versions of the Poisson limit theorem in the left domain are also proved. © 2005 Akadémiai Kiadó, Budapest.

<http://dx.doi.org/10.1556/SScMath.42.2005.2.4>

---

### Keywords

Almost sure central limit theorem, Random allocation