

THE LIMITING BEHAVIOUR OF SUMS AND MAXIMUMS OF IID  
RANDOM VARIABLES FROM THE VIEWPOINT OF DIFFERENT  
OBSERVERS

Tomasz K. Krajka  
Zdzisław Rychlik

*Abstract:* The limiting behaviour of observed and all random variables in the max limit schema was considered by Mladenović and Piterbarg (2006) and Krajka (2011). Here those results are generalised in two directions:

- we allow more than one observer and one superobserver;
- we consider the max limit schema as well as the sum limit schema.

**2000 AMS Mathematics Subject Classification:** Primary: 60F05; Secondary: 60G70.

**Keywords and phrases:** Central limit theorem, extreme value theory, observed and unobserved random variables.

THE FULL TEXT IS AVAILABLE [HERE](#)