

General Preface of Our Series of Weak Convergence

The series Weak convergence is an open project with three categories.

The special series Weak convergence I consists of texts devoted to the core theory of weak convergence, each of them concentrated on the handling of one specific class of objects. The texts will have labels A , B , etc. Here are some examples.

- (1) Weak convergence of Random Vectors (IA).
- (2) Weak convergence of stochastic processes and empirical processes (IB).
- (3) Weak convergence of random measures (IC).
- (4) Weak convergence of fuzzy random measures, etc.

The special series Weak convergence II consists of textbooks related to the theory of weak convergence, each of them concentrated on one specialized field using weak convergence. Usually, these subfields are treated apart in the literature. Here, we want to put them in our general frame as continuations of the Weak Convergence Series I. Some examples are the following.

- (1) Weak laws of sums of independent random variables.
- (2) Weak laws of sums of associated random variables.
- (3) Univariate Extreme value Theory.
- (4) Multivariate Extreme value Theory.