Zbyněk Pawlas

Second-order characteristics of random marked closed sets

By a random marked closed set (RMCS) we understand a random upper semi-continuous function on a random domain (random closed set). Special examples of RMCSs are marked point processes (MPPs). The definitions of well-known second-order characteristics for MPPs can be naturally extended to RMCSs. We review some basic properties and study non-parametric estimators of second-order characteristics for RMCSs.