INSTITUTUL DE MATEMATICA "SIMION STOILOW" AL ACADEMIEI ROMANE

Point processes: definition, characterisation and applications

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Joi 27 aprilie 2017, ora 11:00, sala 306 -307 "C. Bănică"

Abstract: This talk introduces point processes and presents their characterisation using void events. The Campbell-Mecke theorem is also presented. The importance of these results is outlined by the construction of appropriate summary statistics for point processes. Finally, conclusions and perspectives are depicted.