

Modelling of Spatio-Temporal Processes

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Spatio-temporal data are omnipresent in evolutionary spatial processes, especially in environmental modelling. Most approaches to modelling regionalised data are based on stationary Gaussian random fields which are characterised by the covariance function.

Here, a survey over the classes of space-time covariance models is given, and techniques for estimation of the parameters and method for the simulation of the random fields are discussed.