

New Models for Generating Power Law Distributions- ABSTRACT

Power-law distribution, rank-size distribution, Zipf's law, hierarchy as a systemic organisation into levels, self organised criticality and fractal phenomena are different aspects which may belong to the same coin. New models for generating power law distributions are discussed in order to demonstrate the typical aspects and issues of different modelling points of view. Moreover, some aspects of micro and macro based modelling approaches are discussed and shown. The interpretation of the models and the outputs of the different approaches are open for discussion and further research projects.

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