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# **Point Processes Modeling of Time Series Exhibiting Power-Law Statistics**

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(Submitted on 15 Jan 2010)

We consider stochastic point processes generating time series exhibiting power laws of spectrum and distribution density (Phys. Rev. E 71, 051105 (2005)) and apply them for modeling the trading activity in the financial markets and for the frequencies of word occurrences in the language.

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