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Multifractal detrended fluctuation analysis of intensity time series of photons scattered by tracer particles within a polymeric gel

Luciano Telesca, Catalina Haro-Pérez, L. Rebeca Moreno-Torres, Alejandro Ramirez-Rojas



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## Highlights

- 1) DLS allows obtaining sequences of elapsed times of scattered photons
- 2) Two sequences of photons scattered by the same scattering volume are obtained
- 3) By integration of these sequences, the intensity time series are obtained
- 4) The intensity time series for both sequences are antipersitent
- 5) The intensity time series for both sequences are multifractal

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