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On multifractals: A non-linear study of actigraphy data

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Highlights

- Hurst exponent does not show differences between healthy subjects and patients with fibromyalgia.
- Individuals exhibit a high level of variability that makes it difficult to identify the healthy subjects and patients with fibromyalgia groups.
- Differently from healthy individuals, patients with fibromyalgia do not show differences in the heterogeneity of smooth movements.
- Multifractal spectrum measures might be capable of showing differences between healthy individuals and fibromyalgia patients.

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