

Ivanov, A. P.; Kudinov, A. N.; Lebedev, D. Yu.; Mikheev, S. A.; Tsvetkov, V. P.; Tsvetkov, I. V.

Instantaneous heart rate catastrophes in the model multifractal dynamics and based on the data of Holter monitoring. (Russian. English summary) [Zbl 1389.92012](#)

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The mathematical nature of the effect of large instantaneous human heart rate is spotted in an analysis of the real Holter monitoring data in the frame of a multifractal dynamical model. The details of comparison of the Holter monitoring data and results of the multifractal dynamical model application are discussed.

Reviewer: [Sergei Georgievich Zhuravlev \(Moskva\)](#)

MSC:

[92C50](#) Medical applications (general)

[92C55](#) Biomedical imaging and signal processing

[92C30](#) Physiology (general)

Keywords:

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