



Recent advances in the analysis of Seismic Electric Signals (SES) in natural time

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The recent advances on the analysis of Seismic Electric Signals (SES) in natural time are summarized. First, a recent method [*J.Appl. Phys.* **103**, 014906 (2008)] suggested on the basis of the concept of natural time for the determination of the scaling exponent in complex time series, is presented. This method is compared to the results of the well-established Detrended Fluctuation Analysis [Peng et al., *Phys Rev E* **49**, 1685 (1994)] and applied to Seismic Electric Signals (SES). Second, the analysis in natural time of the SESs that preceded four significant earthquakes, which occurred in the area of Greece during 2007, is complemented with the corresponding analysis of the subsequent seismicity. This analysis is repeated for the case of the SES activity [[arxiv:0711.3766v1](https://arxiv.org/abs/0711.3766v1) (2007)] that preceded the 6.5 earthquake in southern Greece on January 6, 2008.