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Time irreversibility and intrinsic revealing of series with complex network approach

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Highlights:

- We analyze time series on the basis of the visibility graph algorithm.
- There might be no direct relation between time irreversibility and long-range correlation.
- The stationarity and irreversibility of a signal are not necessarily correlated.
- Considered series are classified from different perspectives.
- Multiple properties of underlying system can be retrieved by proposed analysis.

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