Multivariate financial time series in the light of complex network analysis

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PII: S0378-4371(18)31003-3
DOI: https://doi.org/10.1016/j.physa.2018.08.063
Reference: PHYSA 19949

To appear in: *Physica A*

Received date : 18 April 2017
Revised date : 25 May 2018

Highlights

>We established a complex network for multivariable financial time series.

>A node shows the absolute returns of multi variables and the co-movement among them.

>We studied the dynamics characteristics of transition process in multivariable time series.

>We provided a new perspective for explaining the volatility clustering phenomenon.