



Interactive comment on “Investigation of hydrological time series using copulas for detecting catchment characteristics and anthropogenic impacts” by T. Sugimoto et al.

T. Sugimoto et al.

takayuki.sugimoto@iws.uni-stuttgart.de

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<anonymous referee#1’s comment > 9160, Lines 25 and 30: There is confusion in the technical writing aspect of mentioning ARIMA and then evidently switching conceptually to "Fourier analysis". This review suggests that a proof reading would resolve potential confusion.

<Author’s response> I check the literature (Huang et al., 1998) again.

Huang, N.E., Shen, Z., Long, S.R., Wu, M.C., Shih, H.H., Zheng, Q., Yen, N.-C., Tung, C.C., Liu, H.H., 1998. The empirical mode decomposition and the Hilbert spectrum for

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nonlinear and non-stationary time series analysis. Proc. R. Soc. A Math. Phys. Eng. Sci. doi:10.1098/rspa.1998.0193

I think “The empirical mode decomposition and the Hilbert spectrum for nonlinear and non-stationary time series analysis” is related to Fourier analysis in the sense that it analyses the spectrum (frequency and amplitude) of the components.

I thought ARIMA and Fourier analysis are related in the sense that they are originally for stationary process, although it can be applicable in non-stationary.

I wanted present some example of time series analysis. I will try to improve the text in order to minimize the confusion.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 9157, 2015.

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