

***Interactive comment on* “Technical note: Stochastic simulation of streamflow time series using phase randomization” by Manuela I. Brunner et al.**

Francesco Serinaldi

francesco.serinaldi@ncl.ac.uk

Received and published: 24 May 2019

Dear Simon,

A couple of years ago, I and Dr. Lombardo spent several weeks attempting to simulate binary time series with prescribed linear correlation. When I saw Papalexiou (2018), I thought that if it were available few month before, we would have saved much time.

Leaving aside the seemingly infinite list of past works dealing with non-Gaussian random variables and desired ACF emerging in this review process, now I see that your stuff has been around for a decade before being published. Next time, please publish

[Printer-friendly version](#)

[Discussion paper](#)



in due time and save my time!

By the way, I have played a little bit with CoSMoS, and I have to say that the possibility to play with mixtures is rather interesting. . . in particular I think about a possible extension of e.g. Kumaraswamy autoregressive models to better model doubly (0-1) inflated proportion or percentage data. . . Anyway.

I agree with your comments about AAFT, but from my point of view, the proposed method seems to be only a rebranded Prichard-Theiler's algorithm where a parametric distribution replaces the empirical ecdf; however, all you reviewers are happy with that; so, ubi maior minor cessat.

Mala tempora currunt, sed peiora parantur.

Cheers

F

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-142>, 2019.

HESSD

Interactive
comment

Printer-friendly version

Discussion paper

