

# ***Interactive comment on “A general theory on frequency and time-frequency analysis of irregularly sampled time series based on projection methods. I. Frequency analysis” by Guillaume Lenoir and Michel Crucifix***

## **Anonymous Referee #2**

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This paper proposes a new method for frequency analysis of irregularly sampled time series.

The idea of this manuscript is clear and simple. The authors combines some existing results such as LS periodogram and WOSA, but with some important insight and modification.

I think this paper contributes to the practice use of frequency analysis of irregularly sampled time series. Almost all the algorithm is presented in detail. Numerical simula-

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tion is presented along with some useful explanation.

To summarize, I highly evaluate this paper, and suggest it to be accepted for publication.

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Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2017-26>, 2017.

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