

Interactive comment on “Hybrid improved EMD-BPNN model for the prediction of sea surface temperature” by Zhiyuan Wu et al.

Anonymous Referee #2

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In this paper, authors discussed the prediction of sea surface temperature. In this paper, an SST predicting method based on improved empirical mode decomposition (EMD) algorithms and back-propagation neural network (BPNN) is proposed. Statistical analysis of the case study demonstrates that applying the proposed hybrid CEEMD-BPNN model is effective for the SST prediction. I recommend this paper to be published. And it is better if the authors consider the following mentioned remarks and further improve the manuscript before submitting the final version.

1. More methods in practical application or commercial application need to be introduced. Which can make this paper more persuasive.
2. The relationship and difference among EMD, EEMD and CEEMD method should be more specific and clear.

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3. We all known the complexity of the marine environment, I suggest you can list which factors can make predicting the sea surface temperature more difficult. And these factors can also be added in your simulation.

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2018-101>, 2018.

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