Geoscientific
Model Development
Discussions

Interactive comment on "Auto-calibration of a one-dimensional hydrodynamicecological model (DYRESM 4.0-CAEDYM 3.1) using a Monte Carlo approach: simulations of hypoxic events in a polymictic lake" *by* Liancong Luo et al.

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I am interested in how the auto-calibration could save less time compare with the classical method such as Gauss-Newton Method. I wonder if the authors have performed quantitative and quantitative analysis of computation time/effort between both auto-calibration and classical methods. Also, the information on how many number of iterations for this auto-calibration to reach the global minimum of RMSE would be something interesting for the readers. Thank you.

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Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2017-182, 2017.