

Interactive comment on “Astronomical forcing and mathematical theory of glacial-interglacial cycles” by A. V. Kislov

Anonymous Referee #1

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In this short paper, basic conceptual mathematical (stochastic) models are proposed which may be useful to characterize the relationship between astronomical forcing and glacial cycles. As the author shows, it is relatively easy to find a conceptual model which shows a dominant 100 kyr cycle, for example the model (10). The difficulty is, however, to relate the parameters in these models to specific physical processes causing the 100 kyr cycle. For example, the model (10) can also represent the ENSO cycle (the delayed oscillator model) for a suitable chosen set of parameters. As the author does not present any new ideas on the relationship between parameters in these models and physical processes related to glacial cycles and the models themselves are not new, there is no material in this paper which is worthwhile to be published.

Interactive comment on Clim. Past Discuss., 5, 327, 2009.

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