

Interactive comment on “A Study of Earthquake Recurrence based on a One-body Spring-slider Model in the Presence of Thermal-pressurized Slip-weakening Friction and Viscosity” by Jeen-Hwa Wang

Anonymous Referee #1

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Review of the paper “A study of earthquake recurrence based on a one-body spring-slider model in the presence of thermal-pressurized slip-weakening friction and viscosity” by Jenn-Hwa Wang.

This paper contains a study of earthquake recurrence for a spring-slider model including some kinds of friction and viscosity rheological features. It is well known that the spring-slider model, introduced by Reid more than a century ago, is not able to represent the complex behaviour of real earthquake sources. The careful application of the rheological model does not avoid this flaw of the very simple model. Nevertheless,

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this paper offers an extensive review of old and modern literature on the subject, which is worth of being published. The paper seems to me rather clear and written in correct English, but some improvement appears necessary. For instance, the phrase starting with “Because. . .” at line 239 is quite confusing. In conclusion, I recommend the publication of this paper, with the suggestion of discussing the scarcity of the one-body springer-slider model and a revision of English language.

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