

# ***Interactive comment on “Non-linear effects of pore pressure increase on seismic event generation in multi-degree-of-freedom rate-and-state model of tectonic fault sliding” by Sergey B. Turuntaev and Vasily Y.Riga***

## **Anonymous Referee #1**

Received and published: 1 January 2017

The paper presents simulations of the fault movement caused by the spatial friction variations modelling fluid injection. The paper is interesting and I would recommend it for publication subject to minor revision to address the following:

1. Figures 27, 28 are almost empty, that is small variations in velocities are not seen. Possibly, using log scale in the velocity axis could help. 2. Captions to Figs. 16-22, should be dependence of . . . of rather than . . . on. 3. Discussion, line 11, “considered spring-block system”, should be “the considered spring-block system”; line 14, “affects” rather than “affect”

Printer-friendly version

Discussion paper



Interactive comment on Nonlin. Processes Geophys. Discuss., doi:10.5194/npg-2016-66, 2016.

**NPGD**

---

Interactive  
comment

Printer-friendly version

Discussion paper

