عنوان فارسی مقاله:
بررسی تقابل بین سطوح ناهموار با استفاده از روش فیشر-شان:
روش کاربردی برای تقابل صفحات تکثکنیکی

عنوان انگلیسی مقاله:
Investigating the interaction between rough surfaces by using
the Fisher–Shannon method: Implications on interaction
between tectonic plates

توجه!
این فایل تنها قسمتی از ترجمه می‌باشد. برای تهیه مقاله ترجمه شده کامل
با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
Conclusions
This study presents the analysis of voltage time series recorded during consecutive runs of a stick-slip experiment consisting in a rough block sliding on a rough surface (both characterized by identical roughness degree) pulled by a DC motor with a constant velocity. The aim of the experiment was to characterize the properties of the interaction between rough surfaces; such rough surfaces can mimic quite well a tectonic fault, and the number of consecutive runs can model the age of the tectonic fault, so that the last run models a status of the fault which is older than that modeled by the first run of the experiment. We employed the Fisher-Shannon method to investigate the order/organization properties of the voltage time series and our findings indicate a tendency toward a state of higher order and organization of the stick-slip system as the roughness of the interacting surfaces decreases.