

An analog experiment of fault dislocation using the flour layer

Yoshio Okamoto [1]

[1] Osaka Pref.Edu.Center

We studied an analog experiment of fault dislocation in the layer model made of flour. Fine reverse faults are observed in order just as the case in sand. No special instrument or preparation is required, therefore it is suitable for a teaching material which shows the mechanism of faulting process. We assembled a motor drive device which compresses the flour layer, and recorded pressure changes of powder near the fault due to the slip process.