Analogue model experiments of accretionary prism(4); numerical simulation of distinct element method

Yasuhiro Yamada[1]; Satoshi Ueda[2]; Kokoro Kaneda[3]; Naoki Nagamura[4]; Toshifumi Matsuoka[5]

[1] Civ. Earth Res. Eng., Kyoto Univ.; [2] Department of Civil and Earth Resources Engineering, Kyoto Univ; [3] Civil and Earth Resources Eng., Kyoto Univ; [4] Civil and Earth Resources Eng., Kyoto Univ; [5] Kyoto Univ

http://earth.kumst.kyoto-u.ac.jp/

Scaled experiments are useful technique to understand the deformation process of accretionary prisms. In this paper, we present our recent results of sandbox experiments and numerical simulations by using the distinct element method.