

Measurements of coefficient of kinetic friction of a sliding disc on powder layers.

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A coefficient of kinetic friction of debris avalanche is smaller than that of nonvolcanic landslide. Matrix facies and block facies are special features of debris avalanche.

We make experiments of measurement of coefficient of kinetic friction of a sliding disc on powder layer, assuming that matrix facies are powder and block facies are solid.

The results of this experiments suggest the possibility that powder affect coefficient of kinetic friction making smaller.