

Experiment on the friction coefficient on powder. Does it make the coefficient small ?

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The friction coefficient between solid bodies does not depend on pressure or speed. The value is 0.3 to about 0.5. However, the value sometimes becomes extremely small with 0.1 or less in large-scale "dry avalanche". The friction coefficient in a "dry avalanche" is obtained from the height of the mountain and the horizontal scale of the flow. In some case, for example, the flow distance reached 10 or more km without rolling. Such small value of the coefficient is unbelievable with conventional theory, but the existence of the powder might make it possible.