Manual for the Fluid Threshold Simulation

(FTSIM)

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**Introduction**

The purpose of this model is to determine a relationship between grain size distribution and the fluid threshold shear velocity for saltation, the minimum wind stress needed to initiate saltation from a static bed. The simulation creates a 2-Dimensianal bed of circular grains, with log normally distributed diameters and calculates for the particles most susceptible to entrainment in the flow.