

Avalanche Dynamics in Piles of Two Types of Sand

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Z. Naturforsch. **53 a**, 928–930 (1998); received August 3, 1998

The avalanche statistics of some piles of two types of sand are studied theoretically. Both symmetrical and asymmetrical piles do not preserve the behaviour of self-organized critically. We suggest a distribution (we call it Fisher distribution) interpolating between fractal and Levy-Weibull distributions which describes these dynamics.

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