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How Nature Works The Science

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The basic picture is one where nature is perpetually out of balance, but organized in a poised state-the critical state-where anything can happen within well-defined statistical laws. The aim of the science of self-organized criticality is to yield insight into the fundamental question of why na. and acknowledgments Self-organized criticality is a new way of viewing nature.

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Per Bak, the author of How Nature Works, is a theoretical physicist at
Brookhaven National Labs who earned his reputation working on
"critical phenomena associated with equilibrium phase transitions" and
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Physics is simple - Nature is complex. Physics has simple laws, while nature is complex. Complex behaviour in nature reflects the tendency of large systems with many components to evolve into a critical state. 6. Self-organized and critical. The out-of-balance critical state leads to avalanches of all sizes.

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