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How Nature Works The Science

Per Bak's 1996 book "How Nature Works: the science of self-organized criticality" is a foundational work in the popularization of complexity, and is still widely read and cited over 20 years after its publication.

How Nature Works: The Science of Self-Organized ...

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: How Nature Works: The Science of Self-Organised ...

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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 organic conducting materials. Judging from this book, he is a worthy representative of his profession. Self-confidence? Consider the book's title.

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Natural science - Wikipedia

William F. McComas ABSTRACT The nature of science (NOS) is a phrase used to represent the rules of the game of science. Arguably, NOS is the most important content issue in science instruction...

Epistemic insight Understanding how science works: the ...

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How Nature Works: The Science of Self-organized ...

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.

how nature works - School of Computer Science

Science – How It Works Science may seem like it ' s a strange thing — complicated, even a mystery. But really, science is all about finding out about nature and how things work, the reasons behind every-day things. So it ' s more about questions and answers than anything.

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