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# SUNSCREEN SKIN CANCER



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**I**s there an underlying set of principles

that connects the pattern of a tiger's stripes with the design of a butterfly's wings?

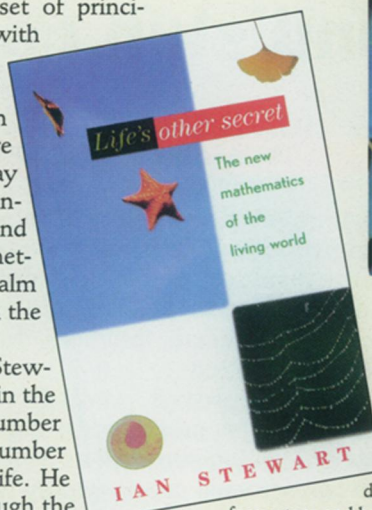
Are there hidden laws of life that lie deeper than DNA?

According to award-winning science writer Ian Stewart, the answer is yes, and the hidden rules are called mathematics. Arguing that although genes may move a life-form in a specific direction, Stewart maintains that it is the mathematical laws of chemistry and physics that control an organism's response to its genetic instructions. With such reasoning, he explores a realm of pattern and beauty that links the pulse of life with the creative enterprise of mathematics.

*Life's Other Secret* teems with surprising insights. Stewart describes how complexity theory may help explain the origin and evolution of life, and how the Fibonacci number sequence of 1, 2, 3, 5, 8, 13, 21, 34 seems to rule the number of petals, stamens, and other parts of most plant life. He traces the mathematical patterns of locomotion through the broad range of limbs, wings, muscles, and fins. We learn about hidden mathematical order in flocks of birds, crowds of humans, and in the firing patterns of fireflies. The very nerve cells that relay the perception of these natural phenomena to the brain are most accurately described by mathematical models.

He leads us to a place where numbers and nature coalesce and where the order of mathematics manifests itself in life.

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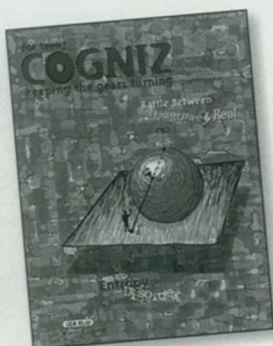
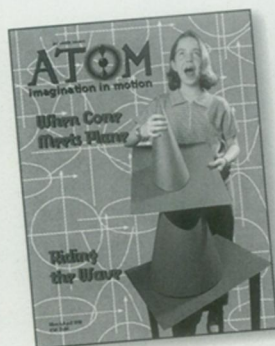
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