

Fifty phenomena from humanity’s exploration of nature. Each chapter moves from historical context through clear explanation to the hardcore mathematics underneath.

The technical sections are genuinely difficult — that’s the point. Like references in a research paper, they’re the scaffolding that hints that the simplified version stands on solid ground, inviting readers to dive down the rabbit hole.

The Banach-Tarski paradox mathematically duplicates spheres. Quantum tunneling powers the sun despite insufficient temperatures. Gold’s yellow color comes from electrons’ effective velocity of 58% light speed. Trees build themselves from thin air, converting CO₂ into solid mass. Maxwell’s Demon sorts molecules to reverse entropy until information theory catches up.

This book presents science as it actually is: demanding, complex, but oh boy, it’s worth the effort.

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David H. Silver

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