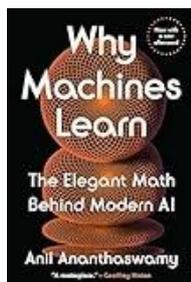


# Science Collection



## Why Machines Learn: The Elegant Math Behind Modern AI

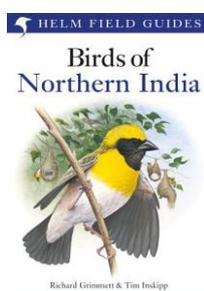
**Author:** Anil Ananthaswamy

**Publisher:** Dutton

**Overview:** A narrative journey through the centuries-old mathematics from linear algebra to calculus that fuels today's AI revolution. Anil Ananthaswamy demystifies the "black box" of machine learning, explaining how simple equations evolved into the complex architectures of Transformers and ChatGPT. [Read more.](#)

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## Birds of Northern India

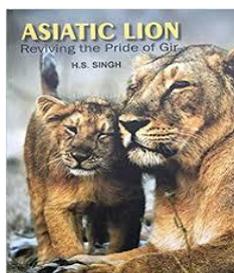
**Author:** Richard Grimmett and Tim Inskipp

**Publisher:** Bloomsbury Publishing

**Overview:** A comprehensive guide to the birds of northern India. Areas explored include the states of Jammu and Kashmir, Himachal Pradesh, Uttaranchal, Uttar Pradesh, Madhya Pradesh, Haryana, Punjab, Rajasthan and Gujarat, and the Union Territory of Delhi. [Read more.](#)

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## Asiatic Lion: Reviving the Pride of Gir

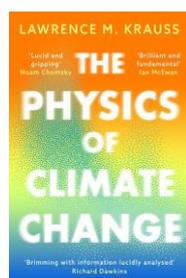
**Author:** H.S. Singh

**Publisher:** Publications Division

**Overview:** This book provides a comprehensive study of the Asiatic lion's history, biology, and conservation, tracing its journey from the brink of extinction to its successful management in Gujarat's Gir Forest over the last five decades.

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## The Physics of Climate Change

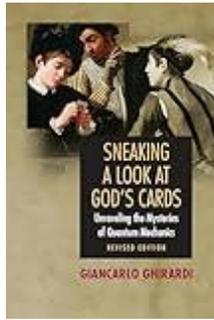
**Author:** Lawrence M. Krauss

**Publisher:** Bloomsbury Publishing

**Overview:** A masterclass in clarity from physicist Lawrence Krauss that cuts through the noise of climate debate to reveal the actual science and empirical data shaping our planet's future. [Read more.](#)

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**Call No:** [551.6 KRA-P](#)



## **Sneaking a Look at God's Cards: Unravelling the Mysteries of Quantum Mechanics - Revised Edition**

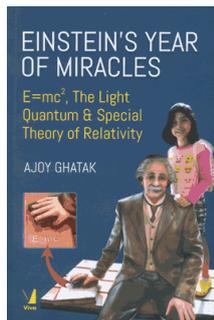
**Author:** Giancarlo Ghirardi

**Publisher:** Princeton University Press

**Overview:** A comprehensive investigation into the "seemingly incomprehensible" world of subatomic particles and the philosophical debates they ignite. Giancarlo Ghirardi explains the core paradoxes of quantum mechanics from wave-particle duality to creation ex nihilo while weighing the conflicting interpretations of giants like Bohr and Einstein. [Read more.](#)

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## **Einstein's Year of Miracles: E=mc<sup>2</sup>, The Light Quantum & Special Theory of Relativity**

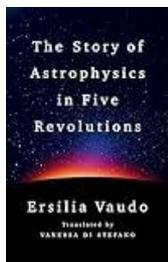
**Author:** Ajoy Ghatak

**Publisher:** Viva Books

**Overview:** An exploration of Albert Einstein's Annus Mirabilis (Year of Miracles), during which he laid the foundations for both the Special Theory of Relativity and Quantum Theory. Ajoy Ghatak details the physics and consequences of Einstein's 1905 breakthroughs, including the iconic equation  $E=mc^2$  and the light quantum. [Read more.](#)

**Acc. No:** 101614

**Call No:** [530.11 GHA-E](#)



## **The Story of Astrophysics in Five Revolutions**

**Author:** Ersilia Vaudo

**Publisher:** W. W. Norton & Company

**Overview:** A poetic journey through five pivotal breakthroughs that redefined human understanding of the cosmos, from Newton's gravity to the discovery of antiparticles. Astrophysicist Ersilia Vaudo illuminates the moments of intuition that shattered old perspectives and shaped our modern cosmic awareness.

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