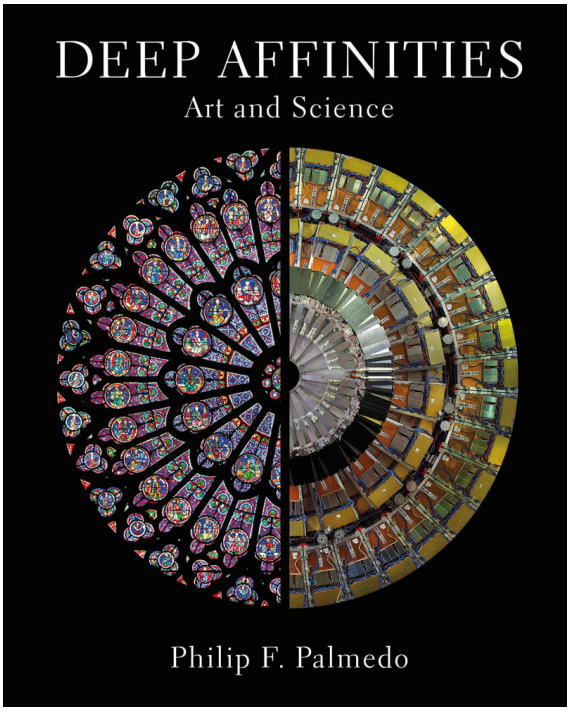
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# Deep Affinities

## Art and Science

### Philip F. Palmedo

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| **ISBN** | 9780789213785 |
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| **Binding** | Hardback |
| **Territory** | World excluding USA, Canada, Puerto Rico, and Australia |
| **Size** | 254 mm x 203 mm |
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| **Illustrations** | 125 color |
| **Price** | £35.00 |

- A stimulating and accessible exploration of the connections between art and science, from a writer who is uniquely qualified to speak to both sides
- Author Philip F. Palmedo is a retired physicist who has also published several books on modern sculpture
- He shows how art and science are both rooted in certain fundamental human instincts, such as an appreciation of balance and symmetry, and the use of symbols to represent nature
- He illustrates his argument with colour images of more than 125 diverse human creations, from cave paintings to the James Webb Space Telescope
- This book, full of ideas about how and why we think and create, will appeal to artists and scientists alike - as well as people interested in cognitive science, AI, and teaching and learning

An illustrated exploration of the fundamental connections between art and science, from an author who has lived in both worlds.

In this thought-provoking book, Philip F. Palmedo, a former physicist who now writes on art, reveals how the two defining enterprises of humankind – art and science – are rooted in certain common instincts, which we might call aesthetic: an appreciation of symmetry, balance, and rhythm; the drive to simplify and abstract natural forms, and to represent them symbolically.

Palmedo traces these instincts back to a very early time in human history – demonstrating, for example, the level of abstract thinking required to create the stone tools and cave paintings of the Paleolithic – and then forward, to the builders of the Gothic cathedrals, to Leonardo da Vinci and Isaac Newton, to Einstein and Picasso.

Illustrated with more than 125 creations of the genus Homo – from a flint hand axe chipped half a million years ago to the abstractions of Hilma af Klint and the James Webb Space Telescope – Palmedo's text leaves us with a new appreciation of the instinct for beauty shared by artists and scientists alike.

**Philip F. Palmedo** studied art history and physics as an undergraduate at Williams College, and received his PhD in nuclear engineering from MIT. Retired from a distinguished career as a research scientist and entrepreneur, Palmedo is the author of several books on art, most recently *The Experience of Modern Sculpture: A Guide to Enjoying Works of the Past 100 Years*.







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