



## The Visual Mind: Art and Mathematics (Leonardo Books)

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Scientific visualization, higher-dimensional geometries, 3D computer modeling, computer animation, and imaginary and virtual environments are just a few of the ground-breaking areas in which artists and mathematicians are exchanging ideas and working together. *The Visual Mind* introduces a new universe of mathematical images, forms, and shapes in media ranging from drawings to computer graphics, as well as discussion of the methods used to create these works.

These 35 chapters are by mathematicians concerned with the visual fruits of their computations and by visual artists concerned with the mathematical origins and inspirations of their works. They are divided into sections covering Geometry and Visualization; Computer Graphics; Geometry and Art; Symmetry; and Perspective Mathematics and Art. The chapters are tied together by introductions to each of these sections and are richly illustrated in color and black and white.

Michele Emmer is Professor of Mathematics at the Università ca' Foscari, Venice, Italy.

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About the Author

Michele Emmer is Professor of Mathematics at the University of Rome "La Sapienza."

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