MATHEMATICAL IMAGERY



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The connection between mathematics and art goes back thousands of years. Mathematics has been used in the design of Corbic cathedrals, Rose windows, oriental rugs, mosaics and tillings. Geometric forms were fundamental to the cubits at many abstract expressionists, and award-winning sculptors have used topology as the basis for their pieces. Duch a ratis M.E. Exher represented unfinity, Mobius bands, tessellations, deformations, reflections, Pataonic solids, spirals, symmetry, and the hyperbolic plane in his works.

Mathematicians and artists continue to create stunning works in all media and to explore the visualization of mathematics—origami, computer—generated landscapes, tesselations, fractals, anamorphic art, and more.

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Thomas Hull :: The mathematics of origami



Automas Inutil 2 Inc mathematics of origami

This is a version of the Ov-Hull Time Intersecting Tetrahedra. The visually stunning object should be a familiar sight to those who frequent the landscapes of M.C. Escher or like to thumb through geometry textbooks. Read about the object and how it is constructed on the Origami Callery,

--- Thomas Hull. Photograph by Nancy Rose Marshall.



Computers make it possible for me to "see" the beauty of mathematics. The artworks in the gallery of Mathscapes" were created using a variety of mathematical formulas.

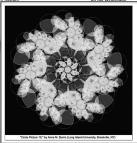
--- Anne M. Burns

Notices of the American Mathematical Society :: Cover Art



People have Inpo Ben facinated with repeated patterns that display a rich collection of symmetries. The discovery of hyperbolic geometries in the interteenth century revealed a far greater wealth of patterns, some popularized by Dutch atrists. M. C. Escher in his Circle Limit series of works. The cover illustration on this issue of the Notices portrays a pattern which is symmetric under a group generated by two Mobilus transformations. These are not distance-preserving, but they do preserve angles between curves and they map circles to circles. See Double Cusp Group by David J. Wright in Notices of the American Mathematical Society (December 2004, p. 1322).

Bridges: Mathematical Connections in Art, Music, and Science Geometry in Art & Architecture, by Paul Calter Garmonic College) (Mac Escher: the Official Website Images and Mathematics, MathArchives Images and Mathematics, MathArchives International Society of the Arts, Mathematics and International Society of the Arts, Mathematics and Mathematics Museum (Japan) (Mathematics Museum (Japan) (Mathematics Museum (Japan) (Mathematics Museum (Japan) (Mathematics) (Ma





Dear Peter. Here's one of the

Nancy

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