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The Museum of Mathematics ([momath.org](http://momath.org)) will open in Manhattan in 2012 with a mission to communicate the richness of mathematics through innovative exhibits and programming. Visitors to the museum will explore mathematical ideas in a fun, hands-on manner. We have already designed and built interactive exhibits for our traveling exhibition, the Math Midway ([mathmidway.org](http://mathmidway.org)), which is currently touring science museums around the country. An iconic part of that exhibition is the square-wheeled tricycle, which visitors ride smoothly around a circular track of catenary arcs. Such whole-body experiences provide one way to appreciate math; art provides another. The Museum of Mathematics will include a dedicated art gallery to show several exhibitions annually, allowing visitors to engage in visual modes of thinking which connect math and art. The recent surge in mathematical art, including the formation of SIGMAA-ARTS, the annual JMM art exhibition, and the growth of interdisciplinary conferences such as Bridges and ISAMA, convinces us that a significant body of mature artwork is available. The Museum of Mathematics will bring it to new audiences. We will collaborate with the math/art community for curatorial ideas and support, including ideas for art-related hands-on activities. (Received September 22, 2010)