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The 1998 auction of the Palimpsest of Archimedes at Christie's, followed by collaborative work centered at the Walters Art Museum led to traveling museum exhibits, newspaper articles, television specials, and dozens of presentations. Mathematicians and other scholars attracted a new and significant audience. The singed, battered, faded, mildewed, damaged 10th century manuscript - the world's oldest copy of The Method of Archimedes - sold for \$2 million "under the hammer." In the true Archimedean experimental tradition, my team of students, staff and faculty decided to look not retrospectively at the content of propositions in The Method but rather in terms of 21st century mathematics and technology. "We believe we participated in every scholar's quest to have a Eureka moment - we found the Golden Ratio in our attempts to image the footprint of Archimedes." This discovery led to several publications and a Wikipedia article. But perhaps more importantly, our work in simultaneously embracing computer graphics, computer science, pure mathematics and 3-D printer modeling may reap huge benefits for future research in a new field that we call fusion mathematics.

Palimpsest Calculus Golden Ratio 3D Printer Superparabola Superconics (Received July 04, 2016)