## 1046-J1-2068

Zdenka Guadarrama\* (guadarrama@rockhurst.edu), 1100 Rockhurst Road, Kansas City, MO 64110. Complex Visualizations and Sculpture: An interdisciplinary project for undergraduates. Preliminary report.

Undergraduate Complex Analysis students reinforce their abstract understanding through visualizations that result in very esthetically pleasing graphs. These graphs are then used to create sculptures. I will show examples of visualizations generated in Mathematica and their transition from drawings to sculpture. By seeing the implicit mathematical structure in the sculpture we gain a greater understanding of the creative process and the mathematics behind it. (Received September 17, 2008)