

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)