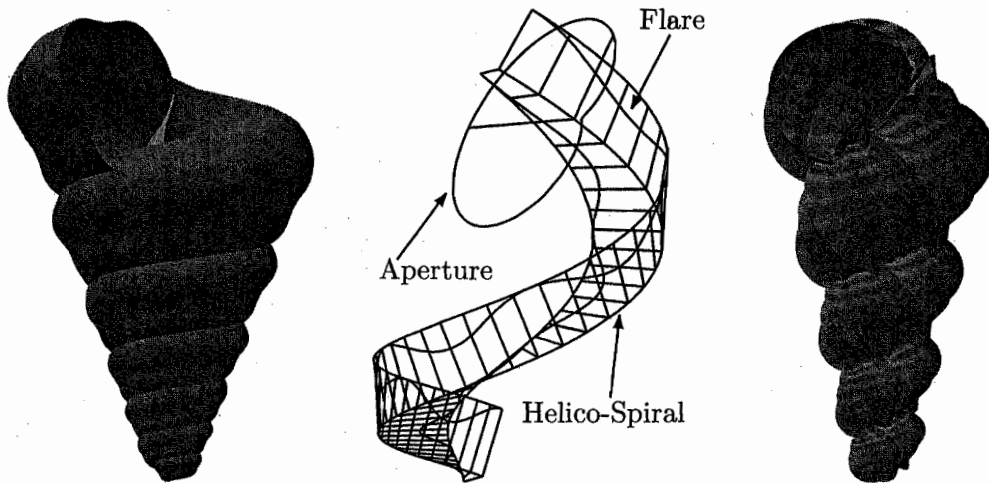
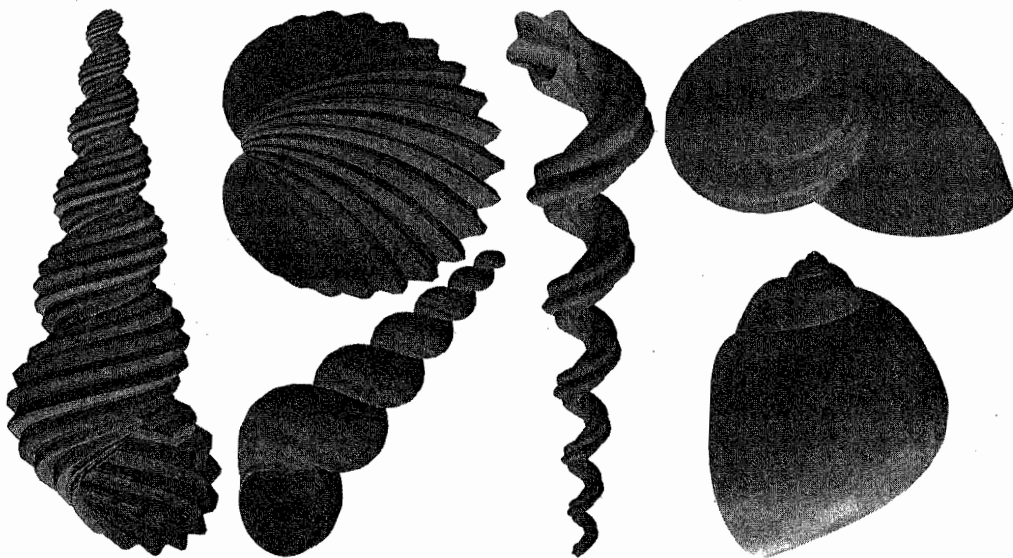


From the Right Side

Amanda Daniels and Joanna Ellis-Monaghan from St. Michael's College in Colchester, Vermont, created these three dimensional seashells by estimating growth parameters from photographs, and then giving free reign to artistic license. The figures are actually Maple plots. In the originals, colors are also specified. Turn on your computers and your imaginations and try to make your own!



The surface model for all these shells starts with a *backbone* curve which is a helico-spiral. An *aperture* curve is then drawn centered at each point of the helico-spiral in the plane defined by the normal and binormal vectors, and is then scaled by the product of a *flare* function with the spiral radius.



The PIME Journal invites those of you who paint, draw, compose, or otherwise use the other side of your brains to submit your mathematically inspired compositions.