

Meeting: 1003, Atlanta, Georgia, MAA CP A1, MAA Session on Getting Students To Discuss and To Write About Mathematics, I

1003-A1-832 **Karen L. Shuman*** (shumank@math.grinnell.edu), Noyce Science Center, Grinnell College, Grinnell, IA 50112. *The Sinusoidal Garden*. Preliminary report.

The Sinusoidal Garden is a writing project for calculus students studying polar coordinates. Students conjecture, experiment, and write about how to find equations for curves of the form $r = f(\theta)$ which display 3, 4, 5, 6, 7, and 8 “petals” when graphed. (Received September 30, 2004)