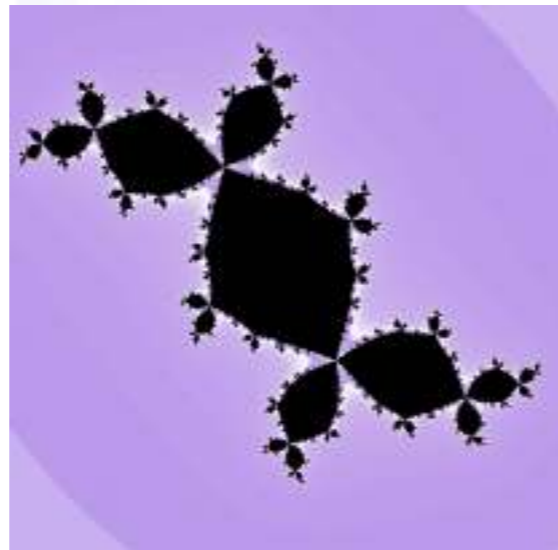
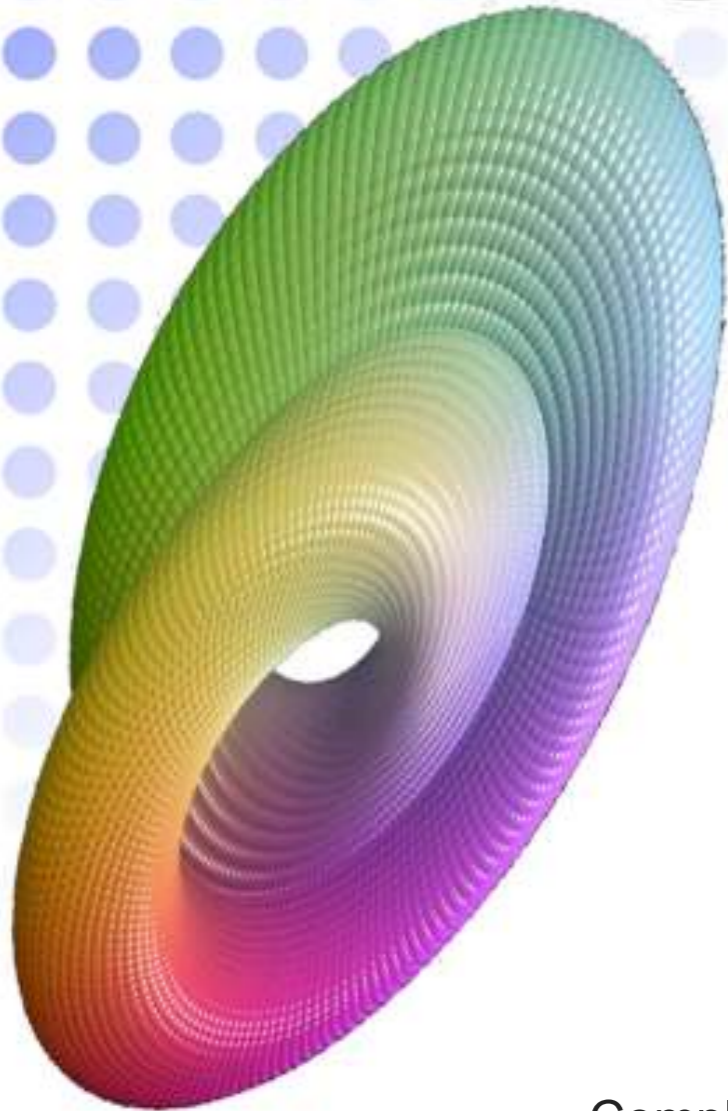


# Michigan Math Club



Thursday at 4pm in EH1360  
Pizza + pop outside afterwards!!



## Follow the Rabbit



Caroline Davis  
Indiana University

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Complex dynamicists love giving the fractals they study funny names, and perhaps the original example is that of “Douady’s rabbit.” The rabbit is the Julia set of the function  $z^2 - 0.12256 + i \cdot 0.74486$ . What an oddly precise function! Isn’t it much easier to say “the rabbit”? Why is this function even named?

Beginning from the definition of a Julia set, we will tell a story about the rabbit and its combinatorial origins, where it calls home, who are its friends and its family, and even some places these animals like to vacation. Come down a rabbit hole with me, and we’ll survey a smorgasbord of topics in complex dynamics.

