

Project Czar: Paul Giacchetto
Project Duke: Bradley Watson
Project Emperor: Branden Dundey

pgiacchetto2009@my.fit.edu
watsonb2008@my.fit.edu
bdundey2009@my.fit.edu

Dr. Ryan Stansifer

ryan@cs.fit.edu

Emeritus George Abdo's Project Site:

my.fit.edu/~gabdo/function.html

Project Plan:

- Project Goals:
 - Draws complex functions
 - Using Shaded Conformal maps
 - 3D (but shaded conformal maps is first priority)
 - Slope fields? Line graphs?
 - User can choose pattern and shading (like multicolor, lines, etc.)
 - User inputs the function. The function does not come from a list.
 - Can also specify time
 - Web based application
 - Java applet (1st priority)
 - HTML5 (2nd)
 - flash (if time)
- How Is Our Project Interesting?
 - Visualizing something you can't see in the real world
 - Allows user to see the function over time
 - Useful to those who wish to learn more about complex functions
- Technical Challenges
 - 2D and 3D graphics libraries
 - Learning about complex functions and their visualization
 - Portability between Web browsers and other OSs
- Milestone 1
 - Select and research 2D and 3D graphics library
 - Research complex functions and their visualization (Tristan Needhm, *Visual Complex Analysis*)
 - Requirements Document
 - Design Document
 - Test Plan
- Milestone 2
 - Set up website and applet with dummy GUI
 - Implement a simple function
 - Implement one pattern
- Milestone 3
 - Input field
 - Implement 3 more types of functions
 - Implement vertical stripes and horizontal stripes
- Task Matrix for Milestone 1:

Task	Paul	Bradley	Branden
Research	Complex functions	2D and 3D graphics	Website

	and their visualization	libraries	
Requirements	25%	25%	50%
Design	25%	50%	25%
Test Plan	50%	25%	25%

Signatures

Paul Giacchetto

Branden Dundey

Bradley Watson

“I have discussed with the team and approved this project plan. I will evaluate the progress and assign a grade for each of the three milestones.”

Dr. Ryan Stansifer