

Duffing Oscillator Sections

Class Twelve Summary

PHY 230

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February 24, 2016

1 Objective - C and the Wave application

For the past two weeks we have been working on objective c applications. We began by making a basic one in which we learned how to change the window name, and alter the color of the background. We then created a 'converter' app, in which we learned how to get text inputs and output data onto a window. We used this knowledge to convert miles to kilometers, and learned about various 'attributes' of text fields.

We moved on to working with more complex problems after that. We made an application where we were able to generate and display a polygon of user defined sides. In this application, we also let the user chose the colors of the shape, and the background. The user can also rotate the polygon and we eventually added an animation feature which rotated the polygon automatically. Figure1 is a picture of the polygon application.

Figure 1: Screenshot of the Polygon app

