

## **Contributions:**

**thepinkservbot:** Constructed the first wiki page entry, did significant research into the Lotka-Volterra constants, created code to determine the best constants for a stable system, completed the methods and summary part of the poster, put together the poster, submitted the poster and submitted and typed up the abstract.

**howardcameron2:** Created the initial proposal, created the initial code that plotted a single predator-prey relationship, developed the idea behind and implemented the rk4 integration of our differential equations, developed the theory behind plotting phase diagrams, graphed the populations with a panther and eagle, wrote the introduction and acknowledgements to the poster, put the poster together, submitted the final code and helped write the abstract.

**uvrudhul:** Wrote and submitted the contributions, created code to integrate with the Euler algorithm for a five body system, created code to model population decline, created code to graph the phase plot, plotted the Euler and rk4 algorithms side-by-side, wrote the results and constructed all the graphs for the poster, helped write the abstract, calculated initial populations and wrote a wiki page.