**Multiple Random Walkers in One and Higher Dimensions**

Evan Forry

Advisor: Dr. Michael Nolan

Random walks are an important problem due to their relative simplicity and wide range of application. Random walk problems typically involve a single walker. In this work I investigate what a random walk would look like once multiple walkers are introduced. I will investigate many new scenarios to the random walk problem by introducing multiple walkers and looking at the probabilities associated with them meeting. My research will look for a connection between the standard one walker problems and shed light on the possible certainty of two walkers meeting.