

Introduction to Simulation

Assignment 8: ABMS

Modify the Bird Flocking model from the website to reflect the following two scenarios:

1. There are now two types of birds, red and blue. Randomly assign each bird one of these colours. Each bird only considers birds of his own colour when adjusting his heading. Red birds adjust their direction only dependent on other red birds.
2. Create a circular obstacle at the centre of your environment. Make the birds evade the obstacle. Feel free to modify the connection distance to enable timely evasion.