Next up to introduce FDM and FEM implementation about a chemotaxis model (reaction-diffusion PDEs) we have Lewis Liu. Lewis will also go over some practical implementation guidelines for more complicated PDEs.

Basic information:

1. I previously simulated this model to study bacteria chemotaxis.

2. Previously I didn’t have too much numerical understanding, but the project required fine steps to simulate, so the simulation was really inefficient.

3. This talked will talk about some practical implementation guidelines about some complicated PDEs.