



Lehrstuhl für Analysis und Modellierung

**Lehrstuhl-Seminar
Sommersemester
2020**

Dr. Matthias Winter

Brunel University London

Pattern Formation for the Gierer- Meinhardt System

9. September 2020 - 14:00

Raum 8.122 und WebEx

Abstract: We will first introduce the Gierer-Meinhardt system and its role in biological modelling. Then we will consider mathematical approaches for the analysis of its solutions such as Turing instability, amplitude equations, Liapunov-Schmidt reduction and nonlocal eigenvalue problems.