

# Computing for mathematics: week 9

## Linear Algebra

### Aims of this week

At the end of this lecture students will be:

- Familiar with solving differential equations in Sage.

### Timeline

#### Lab sheet

- Differential equations;
- Systems of differential equations;
- Numerical solutions to differential equations.

#### Lecture

- 0 - 5 mins: Recap
- 5 - 15 mins: Solution to lab sheet
- 15 - 35 mins: Further features in Sage
- 35 - 45 mins: Questions?
- 45 - 50 mins: Introduction to next week

**After the lecture** Students will be given access to lab sheets and pointed towards reading.

#### Assessment

This will be assessed in the course work.