

Appendix II Introduction to Matrices

The purpose of covering material in the Appendix is to quickly gain familiarity with notions and methods of linear algebra which are needed to understand the study of systems of linear first order differential equations.

We will cover following three parts

Part 1: Basic definitions and theory of matrices

Part 2: Solving linear systems and finding matrix inverse using elementary row operations

Part 3: Eigenvalues and eigenvectors

- A lot of material in the appendix is already known to you from previous courses.
- Such material will be covered quickly using slides.