

Linear Algebra

Karan Jayachandra

July 15, 2022

Contents

1	Linear Systems	1
---	----------------	---

Chapter 1

Linear Systems

Definition 1 A *Linear Combination* of variables x_1, x_2, \dots, x_n is of the form

$$\sum_{i=1}^N a_i x_i \tag{1.1}$$

where $x_i \neq x_j$. The values $a_i \forall i \in (1, N)$ are the coefficients of the combination.