Source: [KBe2020math530index]
#incomplete

## 1 | Overview

• Exists over a [KBe20math530refField] and it's two operations (primary: addition, and secondary: multiplication)

## 2 | Finite Dimensional Vector Spaces

• Notes originally based on Axler Linear Algebra Done Right 3rd addition chapter 2 | | | |-|-| Linear Combination | [KBe20math530refLinearCombination] Span | [KBe20math530refSpan] Polynomial | [KBrefPolynomial] ## #definition finite-dimensional vector space > some (finite length) list of vectors in it spans the space. (Axler 2.10) ### #definition infinite-dimensional vector space > A vector space that isn't finite dimensional

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