Source: 2020MATH530/KBe2020math530index.md #ref #disorganized #incomplete

1 | #definition dimension

The dimension of V (denoted dim V is the length of a basis in V - This relies on Axler2.35: Basis length does not depend on the basis Any two bases of a finite-dimensional vector space have the same length

1.1 | Results

1.2 | Axler2.38 Dimension of a subspace

If V is finite-dimensional and U is a subspace of V, then $\dim\,U \leq \dim\,V$

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