# Lagrange Polynomials

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# Definitions

## Basis

let $V$ be a vectorspace above a field $K$ and $v_1 \dots v_n \in V$ $\{v_1 \dots v_n\}$ are a Basis of $V$ iff $\forall v \in V : v = \sum_{i=1}^{n} \alpha v_i$ and $\{v_1 \dots v_n\}$ are linearly indipendant. With $\forall i \in 1 \dots n : \alpha_i \in K$

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