

Let X be a linear space and let ϕ_i be the linear functional, $\phi_i: X \rightarrow \mathbb{R}, 1 \leq i \leq n$, such as $[\phi_i(v) = 0, \forall i = 1, 2, \dots, n] \rightarrow [\phi(v) = 0]$. Then there exist $\lambda_1, \lambda_2, \dots, \lambda_n \in \mathbb{R}$ such as $\phi = \sum_{i=1}^n \lambda_i \phi_i$.