



$$\text{nullity } \mathbf{T} \equiv \dim(\ker \mathbf{T})$$

$$\text{rank } \mathbf{T} \equiv \dim(\text{ran } \mathbf{T})$$

$$\text{rank } \mathbf{T} + \text{nullity } \mathbf{T} \equiv \dim(\mathcal{V})$$