

$$\Leftrightarrow \text{"null space of } A" \Leftrightarrow \{z \in \mathbb{R}^n \mid Az = 0\}$$

Example: $A = uv^T$ \boxed{u} $\boxed{v^T}$ $A_{ij} = u_i v_j$



$$\dim(\text{null}(A)) = n - 1 \quad A = uv^T$$

