
LADR 3B

Lucas Zheng

Null Spaces and Ranges

3.12 Definition: null space, $\text{null } T$

For $T \in \mathcal{L}(V, W)$, $\text{null } T = \{v \in V : Tv = 0\}$

3.15 Definition: injective

A function $T : V \rightarrow W$ is injective if $Tu =$