Source:

1 | source source

1.1 | axler5.14

2 | $T\big|_U$ and T/U def

Suppose $T \in \mathcal{L}(V)$ and U is a subspace of V invariant under T.

- The *restriction operator* $T\big|_U \in \mathcal{L}(U)$ is defined by

$$T\big|_U(u) = Tu$$