Source:

- 1 | source source
- 1.1 | axler5.14
- $2 \mid T \mid_{U}$ 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

$$T|_{U}(u) = Tu$$

for $u \in U$.

• The quotient operator $T/U \in \mathcal{L}(V/U)$ is defined by

$$(T/U)(v+U) = Tv + U$$

for $v \in V$.

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