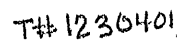


$$\begin{aligned}
 & \text{Theorem 1. Let } \mathcal{H} \text{ be a Hilbert space and } T \text{ a bounded linear operator on } \mathcal{H}. \\
 & \text{Then } \|T\| = \sqrt{\lambda_{\max}(T^*T)} \text{ where } \lambda_{\max}(T^*T) \text{ is the largest eigenvalue of } T^*T.
 \end{aligned}$$



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CEH

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