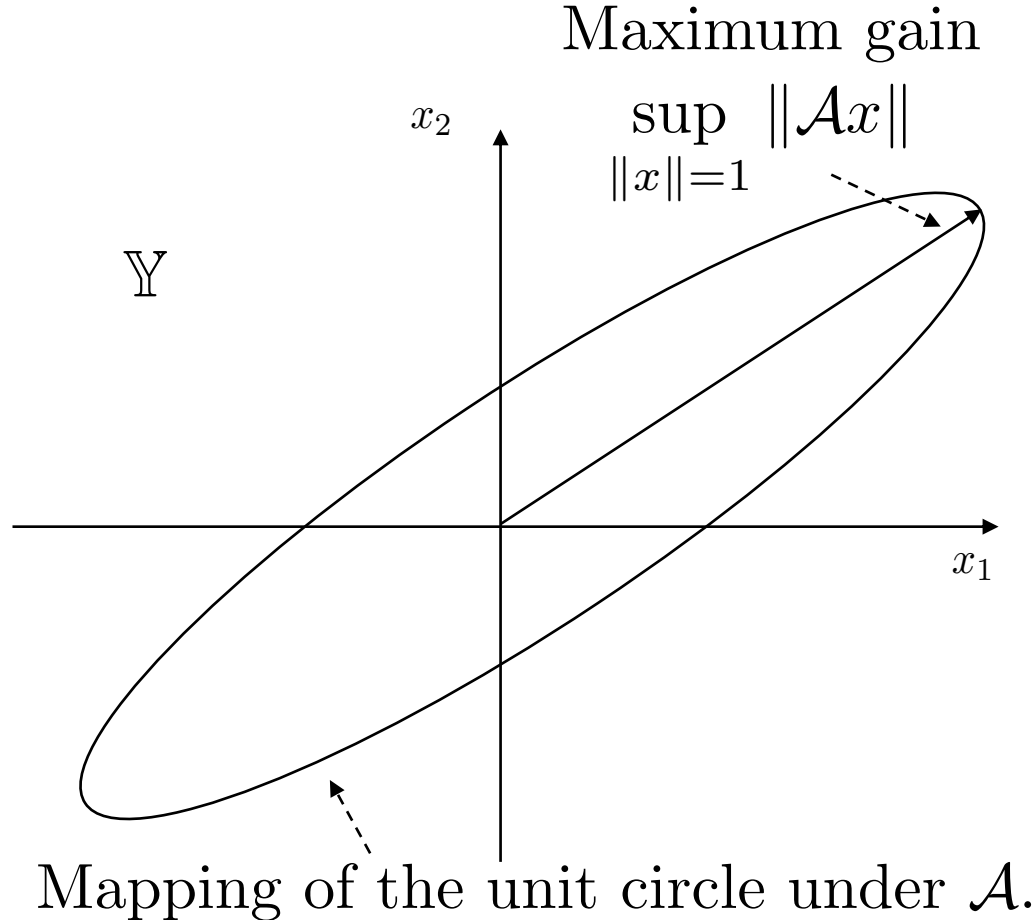
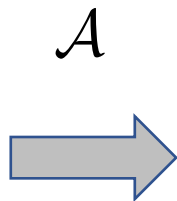


Unit circle in  $\mathbb{X}$ .  
i.e.,  $\|x\| = 1$ .



Mapping of the unit circle under  $\mathcal{A}$ .

Maximum gain

$$\sup_{\|x\|=1} \|\mathcal{A}x\|$$