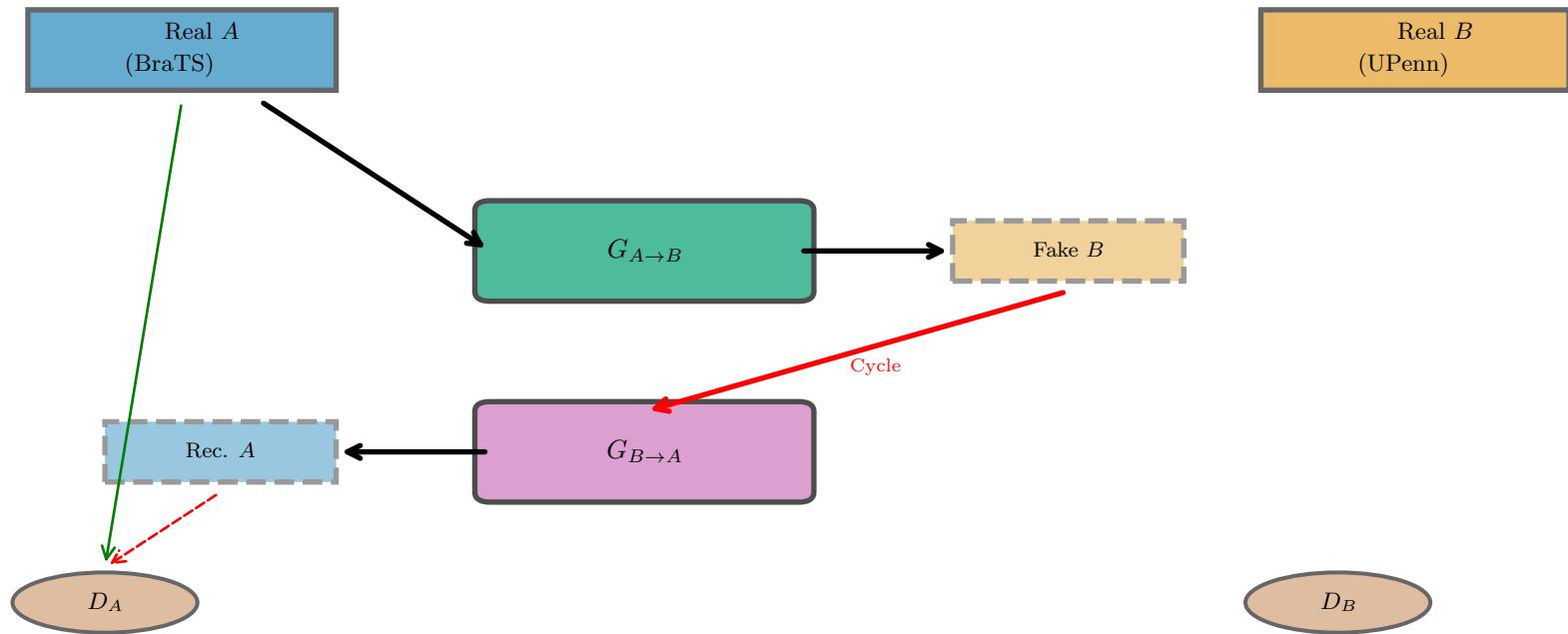


CycleGAN Training Workflow



\mathcal{L}_{GAN} : Adversarial

$\mathcal{L}_{\text{cycle}}$: Cycle consistency

$\mathcal{L}_{\text{identity}}$: Identity mapping

$\mathcal{L}_{\text{SSIM}}$: Perceptual quality

$$\mathcal{L}_{\text{total}} = \mathcal{L}_{\text{GAN}} + \lambda_{\text{cycle}} \mathcal{L}_{\text{cycle}} + \lambda_{\text{identity}} \mathcal{L}_{\text{identity}} + \lambda_{\text{SSIM}} \mathcal{L}_{\text{SSIM}}$$