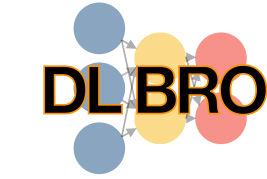

딥러닝 올인원

생성적 적대 신경망
20강

딥러닝호형

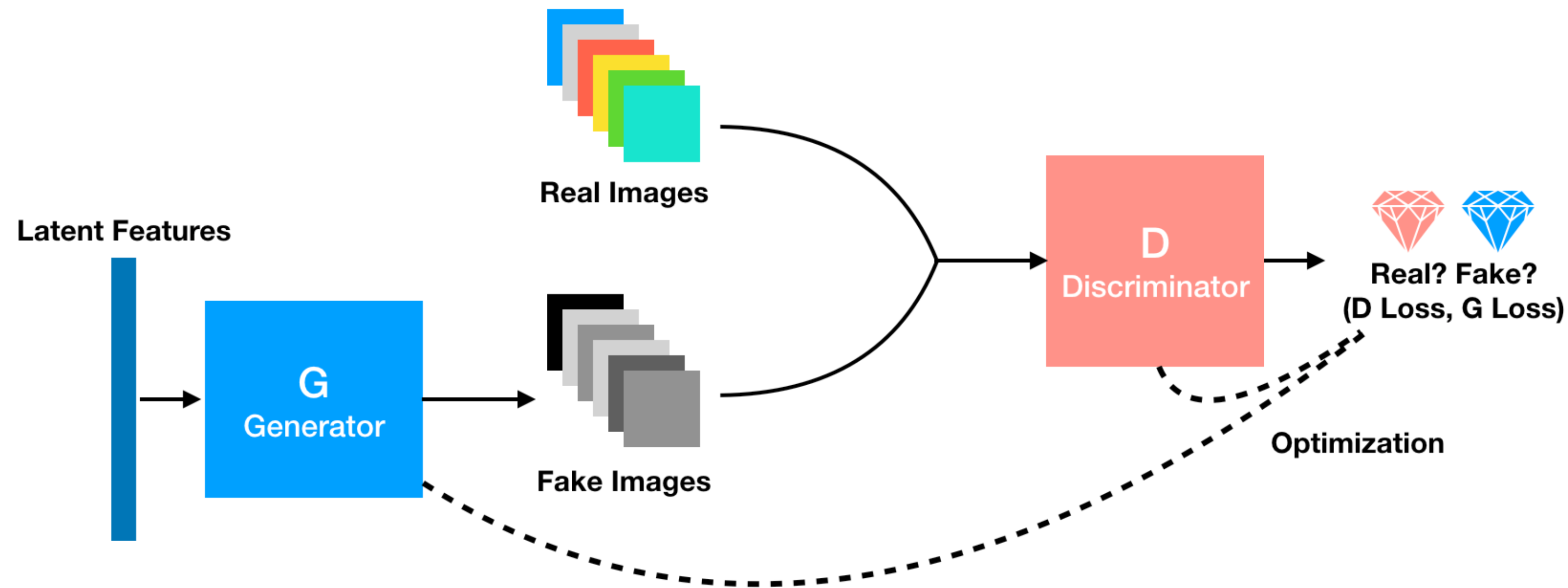
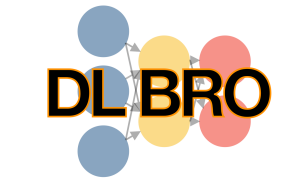
생성적 적대 신경망(Generative Adversarial Network)



GAN

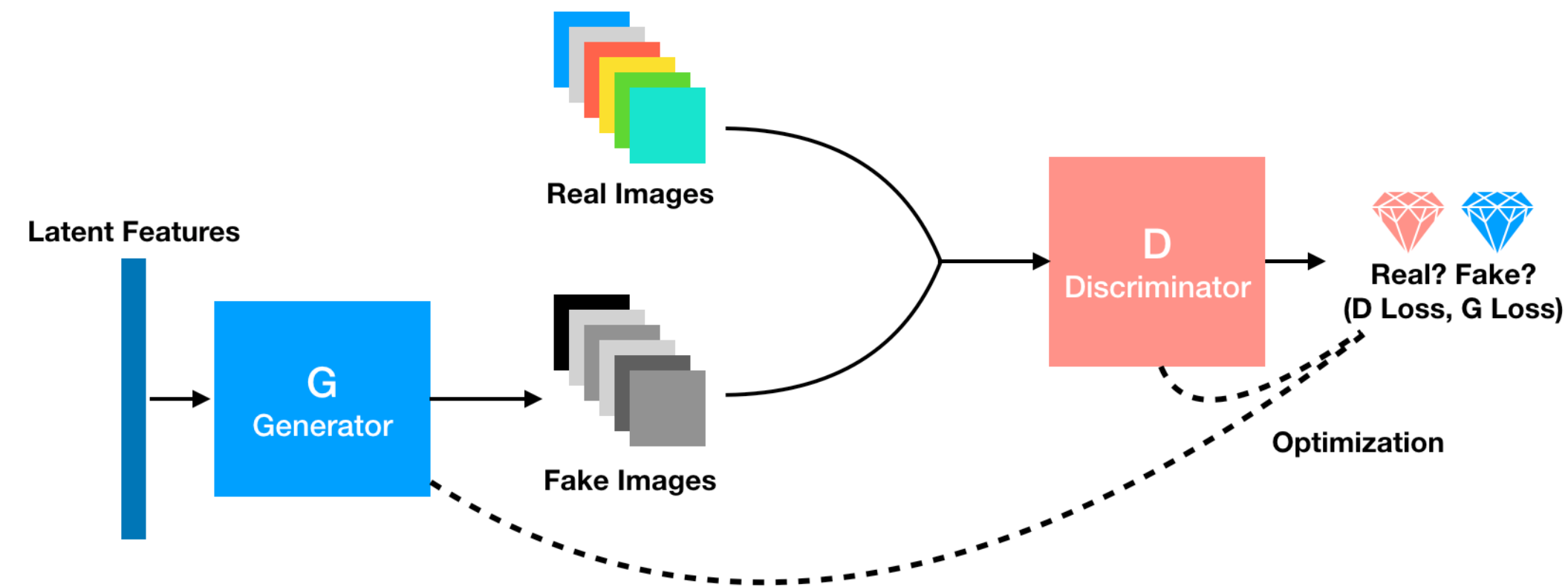
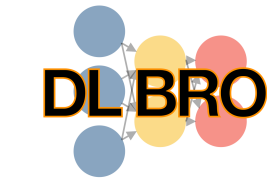
- 유사 이미지 생성
- 매우 광범위한 응용 - DeepFake, CycleGAN, Conditional GAN

생성적 적대 신경망(Generative Adversarial Network)



$$L = \min_{\theta_g} \max_{\theta_d} L(\theta_d, \theta_g)$$

생성적 적대 신경망(Generative Adversarial Network)



$$L = \min_{\theta_g} \max_{\theta_d} L(\theta_d, \theta_g)$$

$$L(\theta_d, \theta_g) = E_x[\log D(x, \theta_d)] + E_z[\log(1 - D(G(z, \theta_g), \theta_d))]$$

- Binary Cross Entropy Loss -

생성적 적대 신경망(Generative Adversarial Network)

