



$$\mathcal{L}(\theta_E, \theta_D) = \mathbb{E}_{q_{\theta_E}(z|\mathbf{x}, p)} [\log p_{\theta_D}(\mathbf{x}|z, p)] - D_{KL}(q_{\theta_E}(z|\mathbf{x}, p) \parallel p(z|p))$$