Boundless: Generative Adversarial Networks for Image Extension

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In this final project, we would like to build an image extension model, which has broad applications in image editing, computational photography and computer graphics. Comparing with inpainting model " Context Encoder " as baseline, we implement conditioning in a GAN to train an image extension model. We add a pretrained model " Inception_v3 " to select image features and compare with the discriminator results, in order to improve the model's performance. Experiment results show that models trained with conditioning have better performance than baseline.