ML HW6 Report

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1. Describe the difference between WGAN\* and GAN\*\*, list at least two differences.
2. The first and probably the most important difference between WGAN and GAN is that WGAN replace the Jensen-Shannon divergence with Wasserstein distance as the loss function in order to improve the stability in the training process.
3. Second, WGAN removes the Sigmoid layer in standard discriminator of GAN as well as adds weight clipping in order to enforce Lipschitz constraint.
4. Please plot the “Gradient norm” result.

I have trained WGAN-GP and WGAN for 20 epochs.

