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Math 110B

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16 June 2019

<p style="text-align:center">Project 3: Steganography</p>

This project is about steganography. In this project, it generally focusing on two methods: LSB and Neural Network. The data sets used for this project are Tiny ImageNet Visual Recognition Challenge and Kodak Lossless True Color Image Suite.

Task 1 is using LSB. The implementation of LSB algorithm is from kelvins, which is introduced by the project description and posted on github. The data set used for task 1 is Kodak Lossless True Color Image Suite. The images from this data set have different sizes. So I first changed those images' sizes to 256*256. The average loss by using this data set is 203.83.

Task 2 is using Neural Network. The implementation is from gabrielilharco and alexandremuzio, which is also introduced by the project description and posted on github. The data set used for task 2 is Tiny ImageNet Visual Recognition Challenge. The average loss is 17.63.