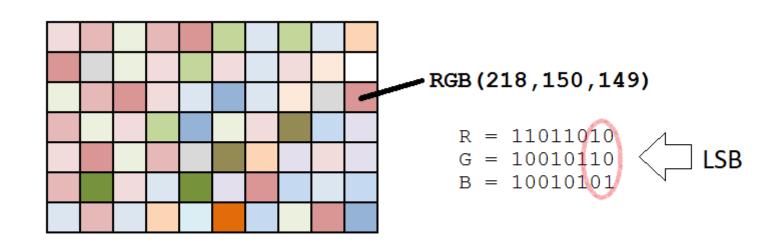
Encryption of data into an image Steganography

What is Steganography?

STEGAN – O – GRAPHY

Secret Writing

The Method



The Method

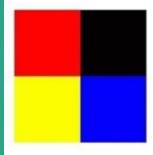
After conducting a research, I have encountered a simple method for encoding data inside an image. Simply, encode two bits of a character, at a time, in 2 of the LSBs in each pixel, on each layer, Red, Green and Blue.

Original Image



11111111	0000000
0000000	00000000
0000000	0000000
11111111	00000000

Stego Image

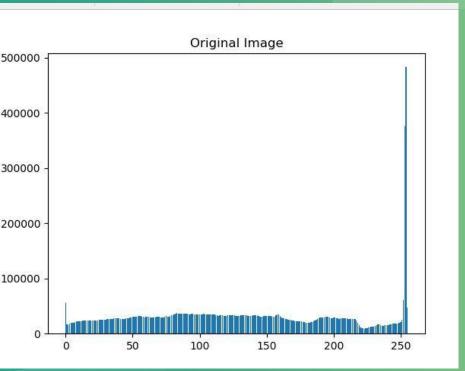


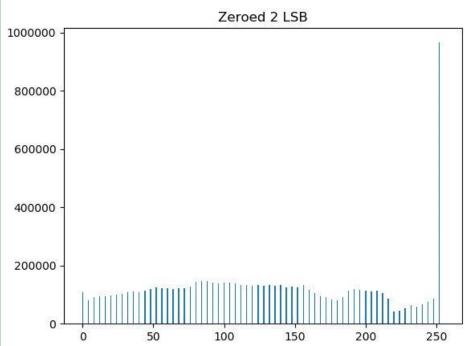
00000070	0000000
0000000	0000010
11111100	00000011
11111101	00000001
00000001	11111100













1000

1250

1500

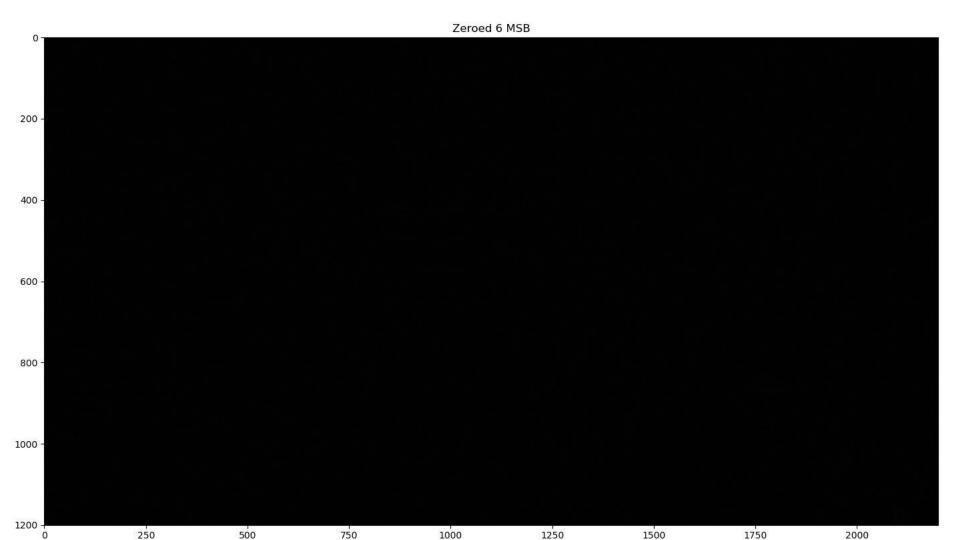
1750

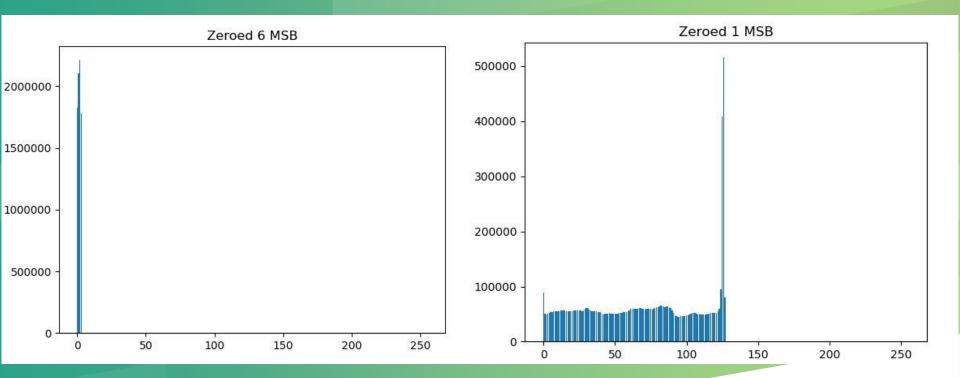
250

500

750

2000





Encoding

- Encode size of text
- Encode actual text
- Decode size of text
- Decode actual text

Character Encoding

Character Encoding

Using bit operations ('And'-&, 'Or'-|, 'Shift'- << >>), for each character of the given string. I've extracted two bits at a time, and injected them to the 2 LSB's in each pixel on each layer.

Interesting Fact

Interesting Fact

if you zero only one layer's 4 LSBs, the image stays visibly intact. Which shows us that when most of the image's data is whole, the human eye won't see any changes

