A 2.1 Matrix embedding

100 bits changes- worst case n=1039

By assuming that each embeded bit has equal chance to be 0 and 1

average case n=2083

embed 8000 bits with x changes - worst case x = 984

average case x = 984/2 = 492

A 2.2 Steganalysis of Jsteg

According to the MATLAB script, the 3rd, 4th, 6th, 7th and 10th image are more likely to be cover image.

>> Jstep\_det

alpha =

1.0000 0.7588

2.0000 0.6580

3.0000 -0.0246

4.0000 0.0128

5.0000 0.4024

6.0000 -0.0205

7.0000 0.0372

8.0000 0.5706

9.0000 0.1546

10.0000 0.0778