

# StegaStamp Watermarking Evaluation

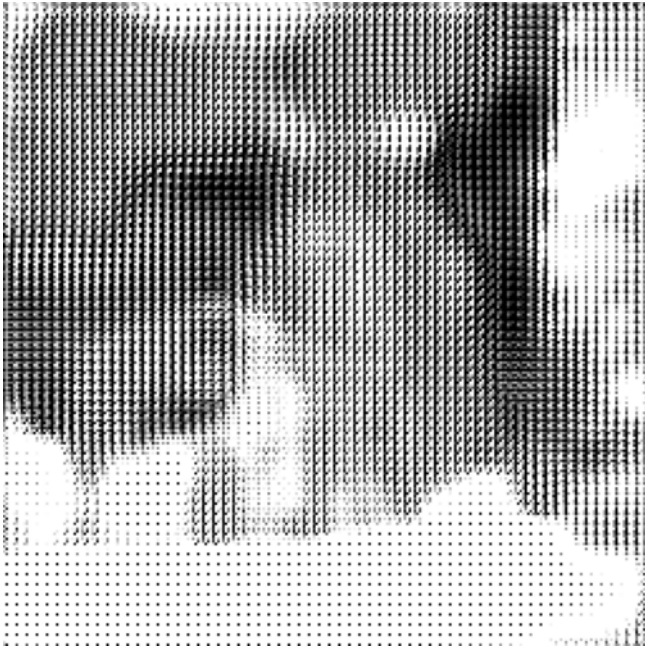
Original



Watermarked  
'0xBC4CA0EdA7'  
PSNR: 25.44 dB



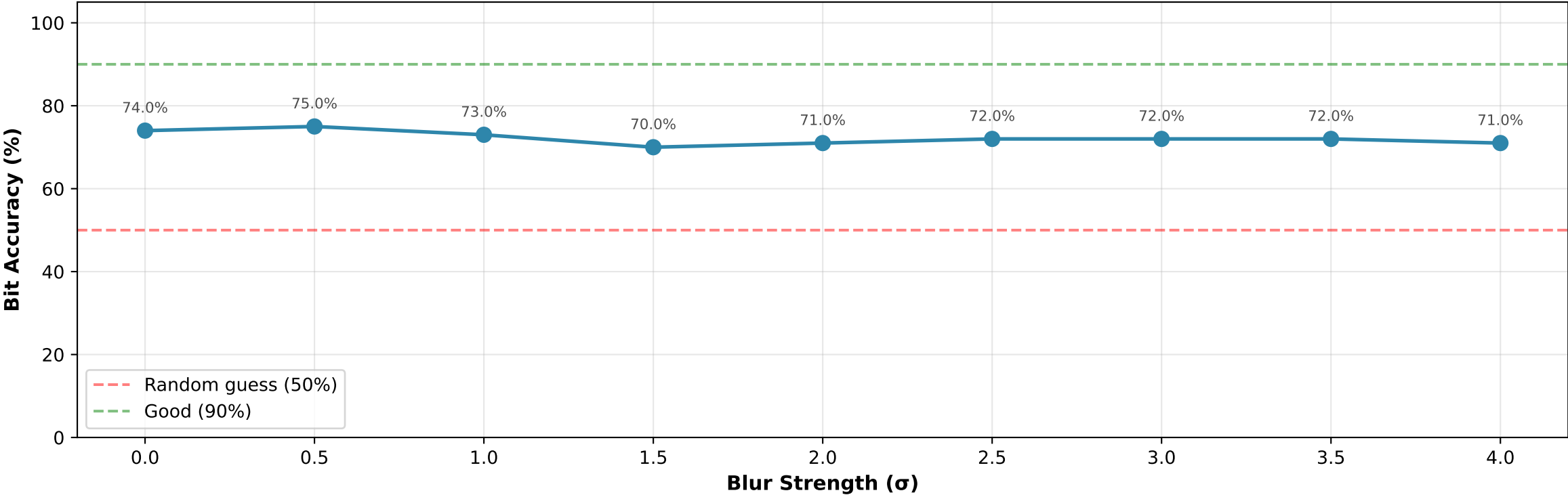
Residual (15x)  
Alpha: 0.191



After Blur Attack  
'0xC061048908'  
Acc: 73.0%



Watermark Robustness vs Gaussian Blur Attack



RESIDUAL STATISTICS

Raw Values:  
Mean: 0.076544  
Std: 0.153779  
Min: -0.333  
Max: 0.628

Alpha: 0.1907  
After scaling ( $\alpha \times \tanh$ ):  
 $\alpha = 0.1884$

Image Impact:  
Mean change: 0.0881  
Max change: 0.1884

Pixels changed:  
>1%: 93.3%  
>10%: 38.6%