DAM Homework (3)

2019-10-15

Image Watermarking

- Implement Stenography

1.removing all but the last 2 bits of each color component

2.X 85

Stenography

- Watermarking
  - Input
    - Ic: a color image
    - Iw: a watermark image
      - i.e., binary image with watermark information
      - or low resolution color image
      - or you can try QR code image
  - Output
    - I'c: a watermarked image
- Detection:
  - Input
    - Ic: a watermarked color image
  - Output
    - Iw: a watermark image
- two command lines

bonus: a simple web based service

Constraints

- Use
  - Python Image Library or
    - OpenCV-Python Bindings
- Deadline:
  - 2019-10-29

Bonus

- True watermarking:
  - slides 29
  - slides 31