Digital Watermarking for Copyright Owners

Diogo Monteiro - 76350
diogo.p.monteiro@tecnico.ulisboa.pt
João Santos - 76363
joao.nuno.santos@tecnico.ulisboa.pt
Pedro Reganha - 76489
pedro.reganha@tecnico.ulisboa.pt

Group 4

Goals

- Tool that allows copyright owners to sign and protect their artwork using digital watermarks.
- Identify the owner of a copyrighted artwork.
- Watermarks resistent to blurring, gaussian noise, lossy compression and other attacks.

Checkpoint and final delivery

For the checkpoint, our goal is:

- ▶ implement a framework so that adding new algorithms is an easy task;
- ▶ Cox algorithm;
- ▶ Discrete Wavelet Transform based algorithm.

For the final delivery, we expect:

- ▶ everything proposed in the checkpoint;
- ▶ algorithm capable of image recovery.

What we've done...

- Everything in the checkpoint plan.
- Now a demo...