110.1【電機系】EE5412701 數位影像處理 Digital Image Processing

Assignment 2 - Vector Quantization, DCT, and Wavelet

This homework has 3 options where participants can choose one of them.

1) Implement Linde-Buzo-Gray (LBG) algorithm to perform Vector Quantization

2) Implementation of 2D DCT and its inverse transform (Additional bonus for this option: implement 1D & Fast DCT Algorithm)

3) Implementation of wavelet transform

Participants can work on any image data-sets for training and implementation

Required Submission:

1) Report that contains:

  -) Explanation of the code

  -) Experiment setting with different hyper-parameter

  -) Your findings and conclusion of the experiment.

2) Full code and step on how to run

3) The input and output image for your experiment

Additional bonus for participants that implement all of the options.

Thanks

繳交狀態

繳交狀態	沒有繳交作業
評分狀態	尚未評分
規定繳交時間	2021年 12月 29日(三) 00:00
剩餘時間	6 日 8 小時
最後修改	-
作業加備註	▶ 評論 (0)

繳交作業

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繳交作業

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