**Video Shot Change Detection**

P76104370 鄭琮寶

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壹、Environment

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| Environment | |
| Language | Python |
| Version | 3.8 |
| System | Windows |
| Library | opencv、matplotlib、numpy、sklearn、pandas、collections |

貳、Visual Features

參、Experiment

一、Gaussian Mixture Model (M1)

二、Gaussian Mixture Model (M2)

肆、Performance

伍、Reference

1. Color histogram。檢自

<https://en.wikipedia.org/wiki/Color_histogram>

1. Shot Change Detection: 檢自

http://cv.cs.nthu.edu.tw/upload/undergraduate/BoYan.htm

1. National Digital Archives Program Shot Change Detection via Local Keypoint Matching: 檢自

http://www.cs.nchu.edu.tw/~crhuang/ShotChangeDetection/scd.htm