

IP - notes- Video segmentation

Jannick Drews

November 12, 2018

1 Pre-lecture

Preparation:

Image and Video Processing, 2nd edition, Thomas B. Moeslund, Chapter 8:
Segmentation in Video Data

Topics:

- Segmentation in video
- Image differencing

$$r_t(x, y) = f_{(t-1)}(x, y)$$

- Background subtraction

$$B_{new}(x, y) = \alpha \cdot B_{old}(x, y) + (1 - \alpha) \cdot I(x, y)$$

2 Lecture

3 Knowledge

- Lucas kanade optical flow (tracking a bivectoral scene?)
Using ShiTomasi corner detection, we can find features to track

4 Important notes