Error-Correcting Output Codes and Graph Cuts Optimization for Human Segmentation in Still Images

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Summary of Previous and Current Work

1. Source image

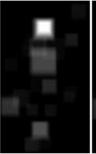2. Body-like probability map

3. Graph Cuts Binary segmentation

4. Extracts region of interest

5. Limbs-like probability map

6. Graph Cuts Multi-limb segmentation

Head	Torso
Arms	Forearms
Thighs	Legs

Future Work

- Apply Contextual information for detection/segmentation

- Define rich postural descriptors in times series

- Perform Human Action/Gesture recognition

Your personal challenge

- Intention: Get involved in research discipline

- Concretely: Research in human pose recovery and behavior analysis

- Gift: Remain in this profession is enough