## Human Pose Tracking IV: Concluding Remarks

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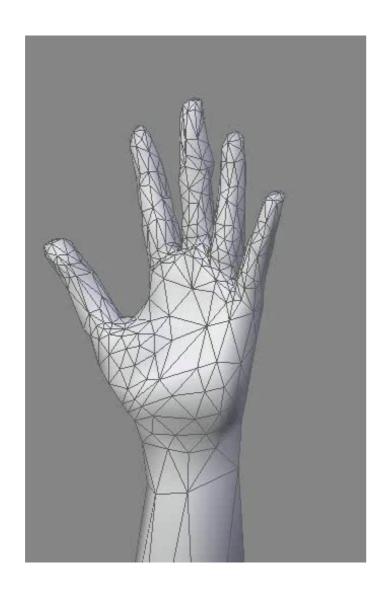


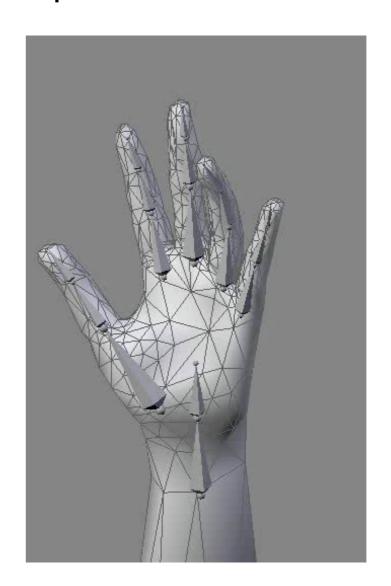
#### Issues:

- modeling pose and motion
- efficient search with effective proposals
- appearance
  - shape
  - reflectance
  - lighting

#### Modeling shape and appearance

Estimation of hand pose, texture, and scene lighting, for a mesh-based model with continuous optimization





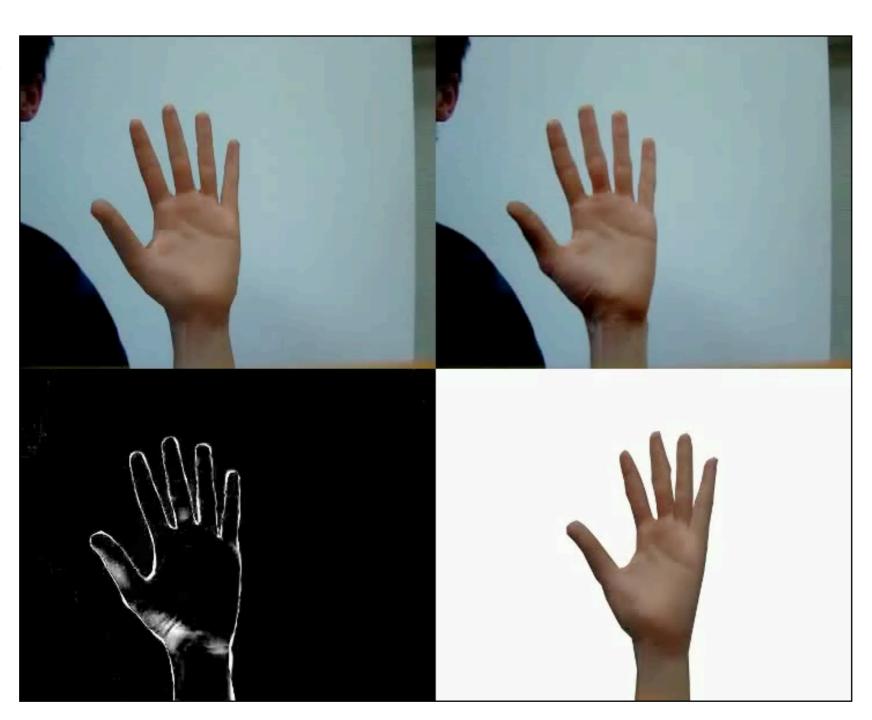
[de la Gorce et al, CVPR '08]

## Modeling shape and appearance

Synthetic image

Residual

image

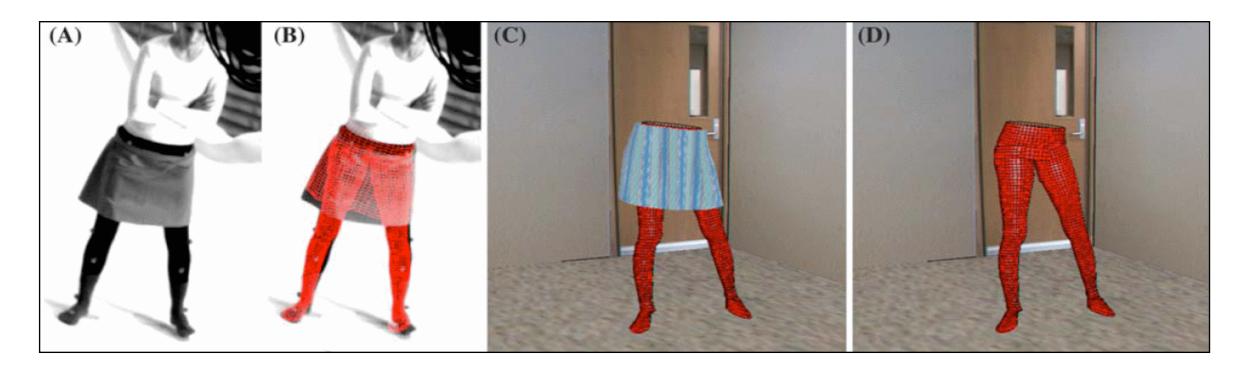


Input image

Synthetic sideview

[de la Gorce et al, CVPR '08]

## Even clothes?

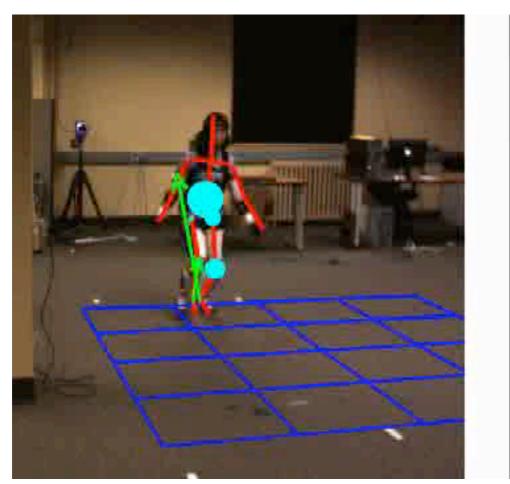


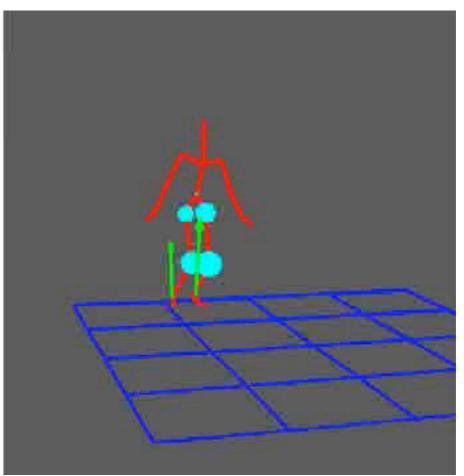
[Rosenhahn et al. `07]

#### Issues:

- modeling pose and motion
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  - reflectance
  - lighting
- understanding contact and interactions

## Understanding interactions





[Brubaker et al. ICCV `09]

#### Issues:

- modeling pose and motion
- efficient search with effective proposals
- appearance
  - shape
  - reflectance
  - lighting
- understanding contact and interactions
- attribute inference
- activities ...