



Identification of Gender from Gait

Michael Kuhlman

Clarkson University

Prof. Rama Chellappa

University of Maryland, College Park







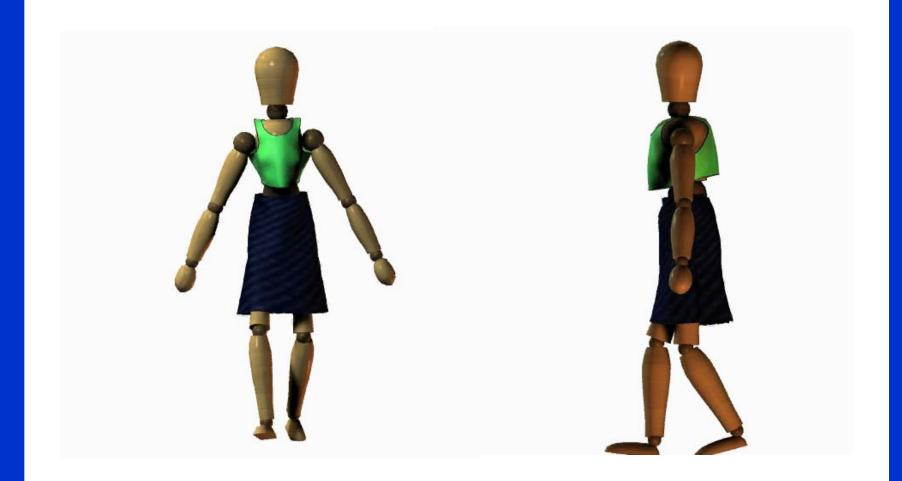
- Human Identification- biometric
- No markers
- Security Applications
- Problem: how can we classify gender?
 - Current methods (side view) do not work









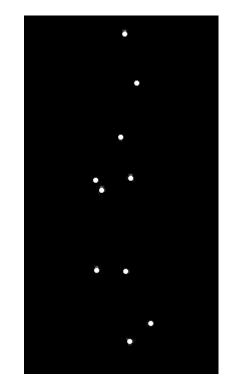


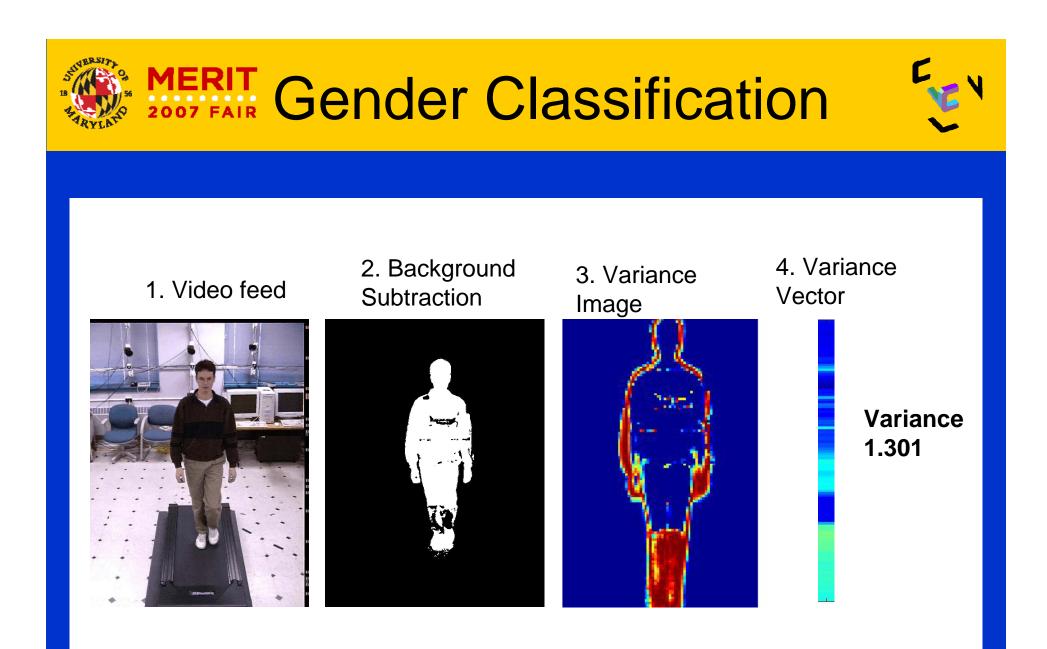


Psychophysics



- Lateral hip motion vs. lateral shoulder motion.
- Humans can determine the gender of a walker from a point light display
 - 63% recognition rate from side view
 - 79% recognition rate from front view

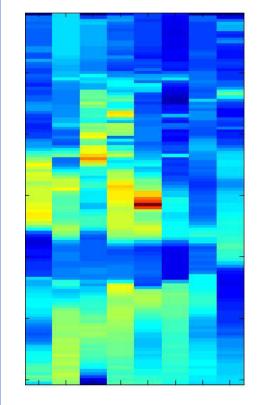


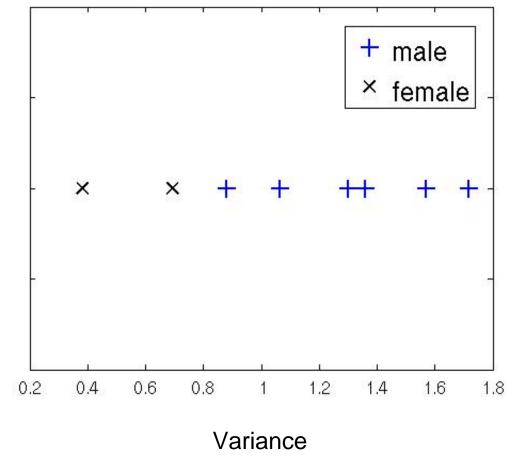
















- Current algorithm have not been ground truthed yet.
- Use Poser 7 to establish ground truth.





Acknowledgments



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- Ashok Veeraraghavan
- Prof. Rama Chellappa

Questions?