



Seminar on Vision and Learning

University of California, San Diego

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Learning and Recognizing Human Dynamics in Video Sequences

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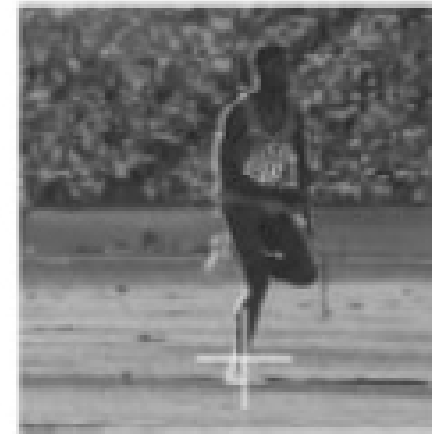
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Outline

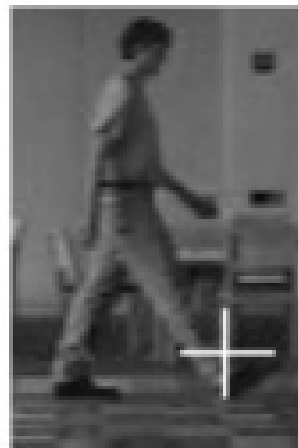
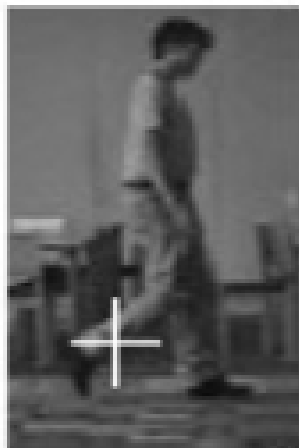
- Gait Recognition
- The Layering Approach
 - Layer One - Input Image Sequence
 - Optical Flow
 - Layer Two - Coherence Blob Hypothesis
 - EM Clustering
 - Layer Three - Simple Dynamical Categories
 - Kalman Filters
 - Layer Four - Complex Movement Sequences
 - Hidden Markov Models
- Model training
- Simulation results

Gait Recognition

Running



Walking



Skipping

