

Project 9807-28: Variable Viewpoint Reality

Paul Viola and Eric Grimson

ntt@mit



The BIG Picture: User Selected Viewing of Sporting Events.



- show me that play from the viewpoint of the goalie
- ... from the viewpoint of the ball
- ... from a viewpoint along the sideline
- what offensive plays does Brazil run from this formation
- how often has Italy had possession in the offensive zone

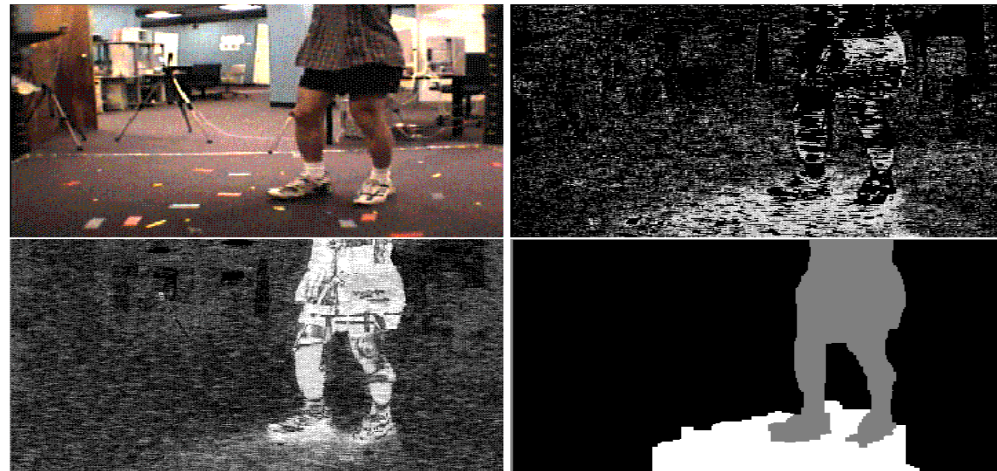
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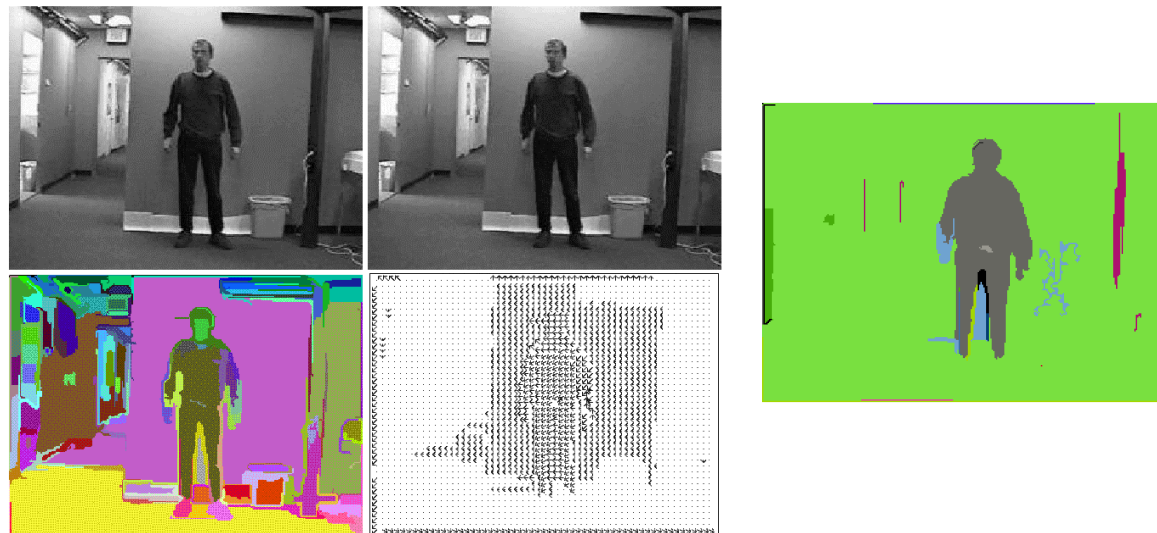


Progress Through December 2000

- Improved Segmentation Algorithms



- New Integrated Segmentation Algorithms



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Research Plan for the Next Six Months

- Integration of Visual Hull methods with segmentation and calibration algorithms
- Generation of real-time reconstructions within Visual Hull framework
- Real-time calibration of camera systems
- Explore tracking of articulated body models
- People Spotting & People Tracking