

Student Research Seminar

Segmentation of Multibody Motion

Mr Pan Guodong

Date & Time:

January 9, 2009

Friday

4:00pm

Venue:

Room 328

Chow Yei Ching Building

The University of Hong Kong

Abstract:

The problem of motion segmentation is that, from sequences of image point in multiple perspective views of a scene with multiple rigid-body motions, we want to determine which of these sequences belongs to the same motion. We will exploit Taylor expansion to convert the nonlinear problem, under the projective camera model, into a linear one, and hence solve it with linear methods like LSA. Experiments will be carried on the Hopkins 155 motion segmentation database and comparisons of our methods with LSA, GPCA and Projective Factorization method will be done.

About the Speaker:

He is a PhD student in the Department of Computer Science, The University of Hong Kong. His supervisor is Dr. Kenneth K.Y. Wong and his research interest includes multibody motion segmentation and multibody structure from motion.

All are welcome!

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