









Critique of Action Synopsis

Pros:

- + Results are convincing
- + Justified algorithm with user study

Cons:

- Little justification for selected aspects of motion
- Requiring pose information as input is restrictive
- Unclear that having RMDS implicitly weight aspects of motion is a good idea

Literature

- Papers covered: Mapping a Manifold of Parceptual Observations: Joshua B. Tenenbaum.

 Think (Golay), Fit Locally: Unsupervised Learning of Nonlinear Manifolds: Lawrence Sail B, San Storges. University of Pennsylvania Charting a Manifold. Matthew Brand, NISP 2003.

 Action Synopsis: Pose Selection and Illustration. Jackie Assa, Yano Cash, Jone Company, Company,

- Additional reading: Multidimensional scaling Forrest W, Young, Multidimensional scaling Forrest W, Young, Additional scaling Forrest W, Monimer Dimensionality Reduction. Joshua B, Tenenbaum, Vin de Silva, John C. Langford, Science, V, 290 no.5500, 2000.
- Nonlinear dimensionality reduction by locally linear embedding. Sam Roweis & Lawrence Saul. Science v.290 no.5500, 2000.

Further citations:

 Information Rich Glyphs for Software Management. M.C. Chuah and S.G. Eick, IEEE CG&A 18:4 1998. Hyperdimensional Data Analysis Using Parallel Coordinates. Edward J. Wegman. Journal of the American Statistical Association, Vol. 85, No. 411. (Sep., 1990), pp. 664-675.