

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Principal component 0. Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 0. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.

File Name: Supplementary Movie 2

Description: Principal component 1 Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 1. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.

File Name: Supplementary Movie 3

Description: Principal component 2 Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 2. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.

File Name: Supplementary Movie 4

Description: Principal component 3 Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 3. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.

File Name: Supplementary Movie 5

Description: Principal component 4 Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 4. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.

File Name: Supplementary Movie 6

Description: Principal component 5 Animation showing the two refined bodies from the multibody refinement transformed by Eigenvectors described by principal component 5. The 10 frames represent evenly spaced intervals between the two extremes of the vectors.