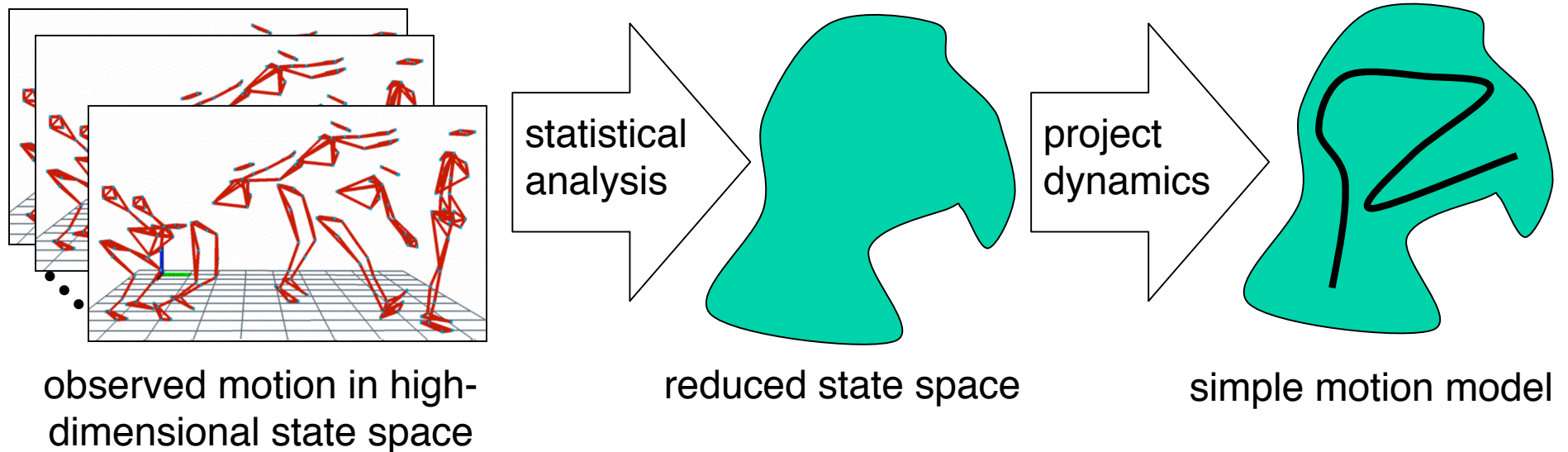


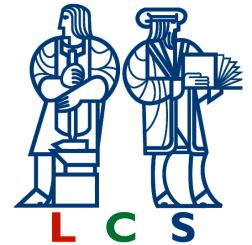
## Project Overview



## Applications

Transformation of Motion-Captured Data

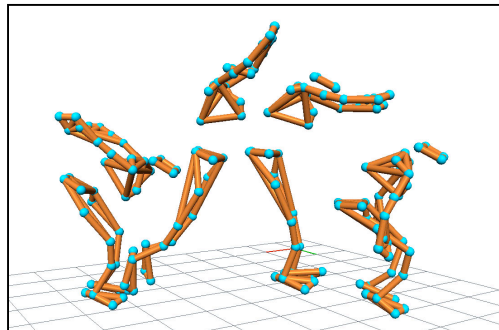
Motion Synthesis of Human and Animal Motion



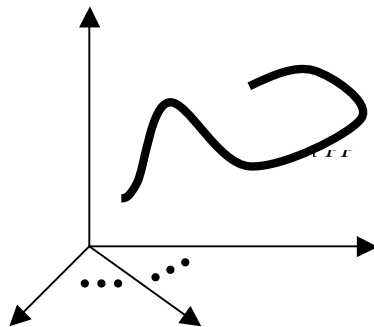
# Progress Through December 2002

## Transformation of Motion-Capture Data

captured motion

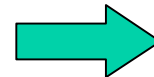


fit captured motion

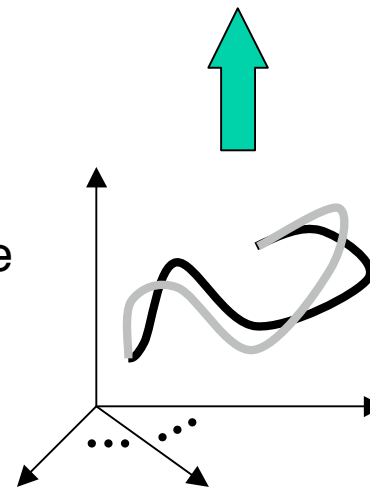


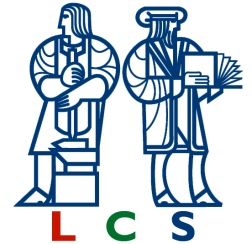
reduced state space

transform in reduced space



transformed motion





## Research Plan for the Next Six Months

Jan-Feb	Linked rigid-body dynamics
Mar	Compare results of lumped-mass and linked rigid-body dynamics
Apr	Revise lumped-mass implementation
May	Combine model reduction and linked rigid-body dynamics
Jun	Evaluate lumped-mass and rigid-body dynamics on high-dimensional motions