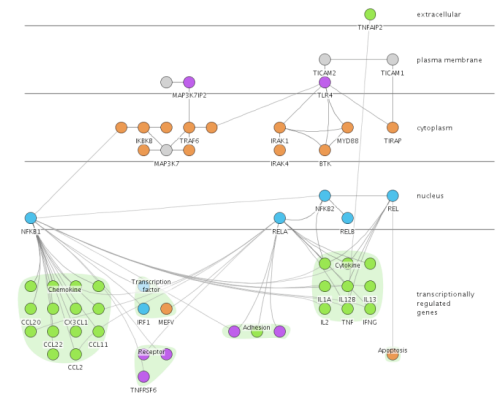
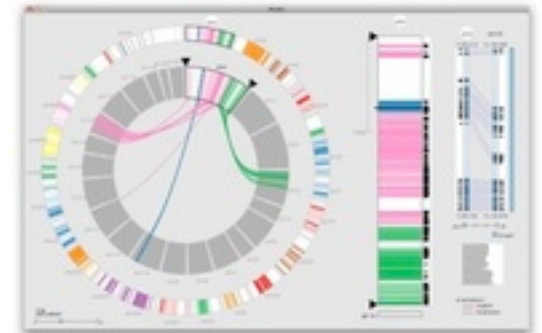
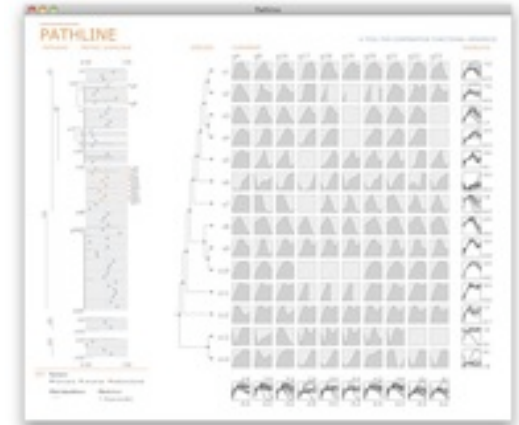


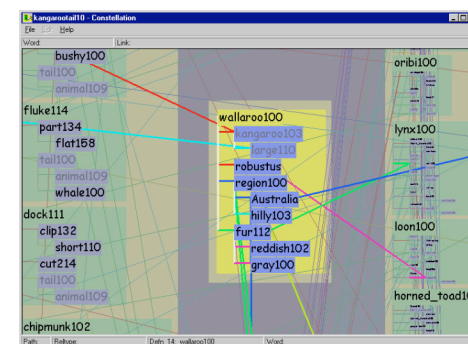
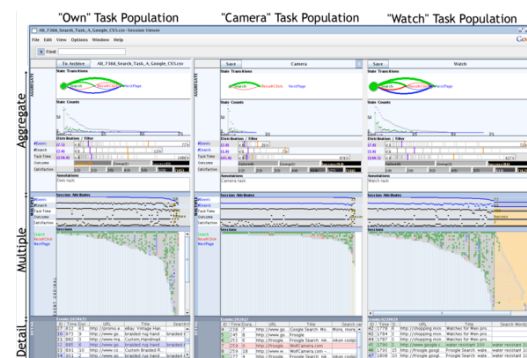
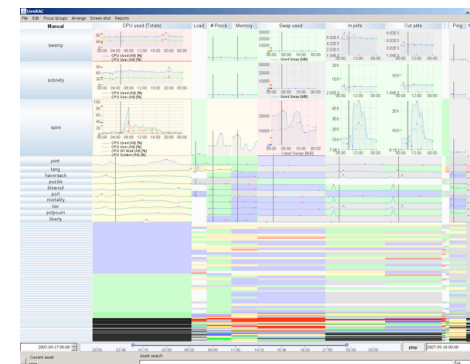
Biology Design Studies

- comparative functional genomics
 - Pathline
- comparative genomics (synteny)
 - MizBee
- gene expression + interaction network
 - Cerebral



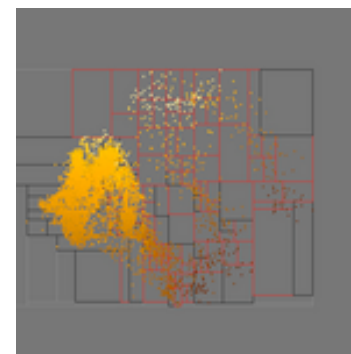
General Design Studies

- large-scale system monitoring
 - LiveRAC
- web logs
 - SessionViewer
- computational linguistics
 - Constellation



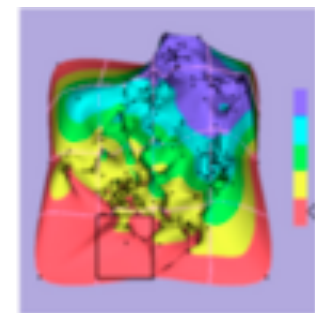
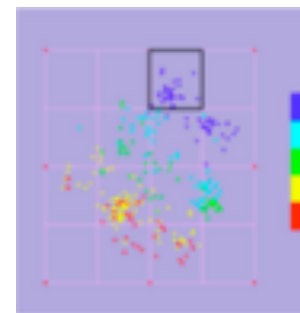
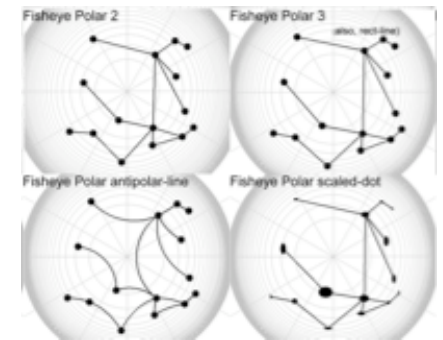
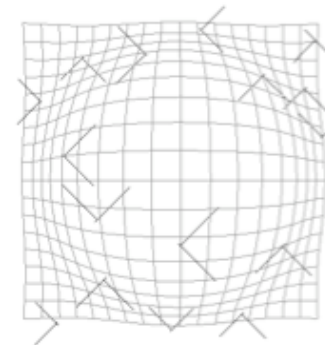
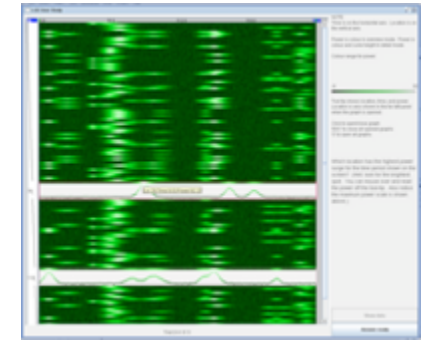
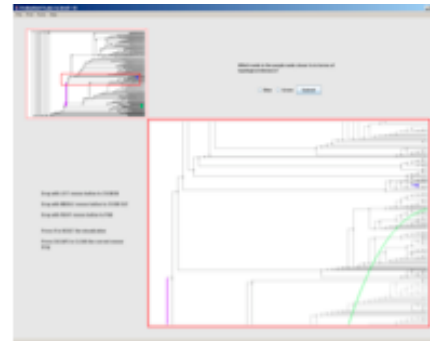
Dimensionality Reduction

- visual dimensional analysis and reduction toolkit
 - DimStiller
- GPU accelerated MDS
 - Glimmer
- steerable MDS
 - MDSteer



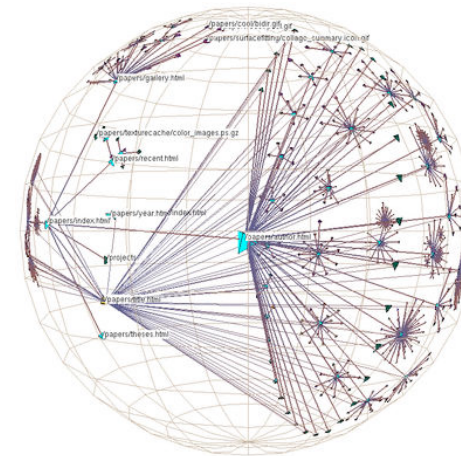
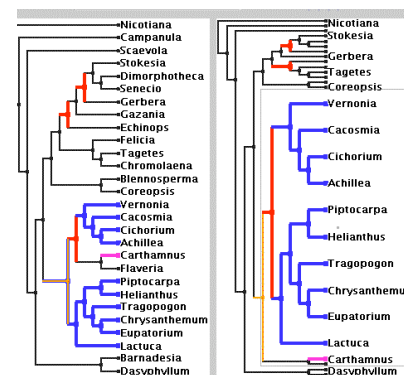
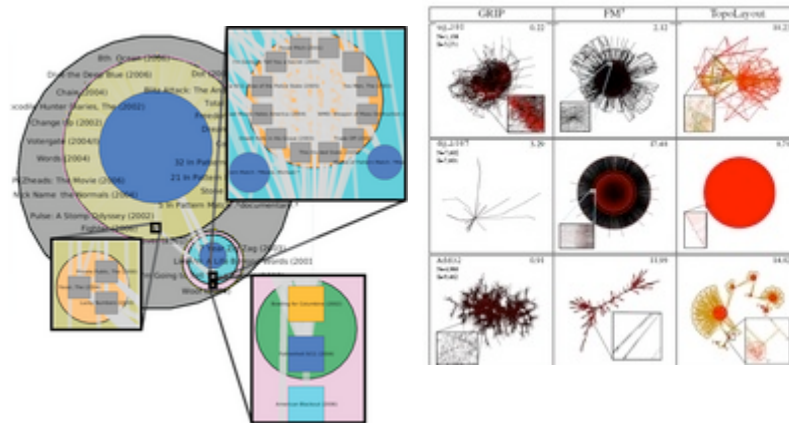
User Studies

- overview use
 - stretch and squish vs. pan/zoom navigation
 - separate vs. integrated views
- impact of distortion on visual search, visual memory
- 2D points vs. 3D landscapes



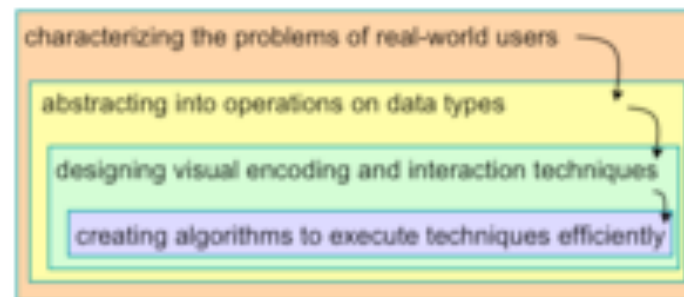
Graph/Tree Vis

- general multilevel graphs
 - layout
 - TopoLayout
 - interaction
 - Grouse, GrouseFlocks, TugGraph
- evolutionary tree comparison
 - TreeJuxtaposer
- 3D hyperbolic graphs
 - H3



Theory/Models

- nested model for design and validation



- papers process and pitfalls

- Type Pitfalls
 - + Design in Technique's Clothing
 - + Application Bingo versus Design Study
 - + All That Coding Means I Deserve A Systems Paper
 - + Notter Fish Not Few!
- Visual Encoding Pitfalls
 - + Unjustified Visual Encoding
 - + Hammer In Search Of Nail
 - + 2D Good, 3D Better
 - + Color Cacoscopy
 - + Rainbows Just Like In The Sky
- Strategy Pitfalls
 - + What I Did Over My Summer Vacation
 - + Least Publishable Unit
 - + Dense As Platinum
 - + Bad Size and Dice
- Tactical Pitfalls
 - + Stealth Contributions
 - + I Am So Unique
 - + Enumeration Without Justification
 - + Sweeping Assertions
 - + I Am Utterly Perfect
- Results Pitfalls
 - + Unlensed By Time
 - + Fear and Loathing of Complexity
 - + Straw Man Comparison
 - + Tiny Toy Datasets
 - + But My Friends Liked It
 - + Unjustified Tasks
- Writing Style Pitfalls
 - + Deadly Detail Dump
 - + Story-Free Captions
 - + My Picture Speaks For Itself
 - + Grammar is Optional
 - + Mistakes Were Made
 - + Jargon Attack
 - + Nonspecific Use Of Large
- Submission Pitfalls
 - + Silly Simultaneous Submission
 - + Resubmit Unchanged