Visualization: From Pixels to Insight

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University of British Columbia
Department of Computer Science
Tamara Munzner

Evolutionary Relationships

Compartmentalized Morphospace

Small Frogs, Small Tree

Big Planet, Big Tree of Life

Plants
Protists
Fungi
Animals

Who's Who in the Movies: Grouse

Seeing What We Speak: Constellation
computational linguistics

Mapping Out Math: Movies
The Shape of Space
Outside In

Symmetries of Space

Computer Graphics
create or manipulate images with computer
movies, games, photorealistic simulation

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but wait, there's more!

Visualization
using interactive computer graphics to help people understand information better
substitute visual perception for cognition
make the computer do the hard work
some ways we've used it so far
untangling biology
seeing what we speak
finding who's who in the movies
playing with math

Who's Who in the Movies: Grouse

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Yet More Information

- pictures, videos, software, papers, talks
  - http://www.cs.ubc.ca/~tmm

- these talk slides
  - http://www.cs.ubc.ca/~tmm/talks/techtrek07