Visualizing what geeks cannot see
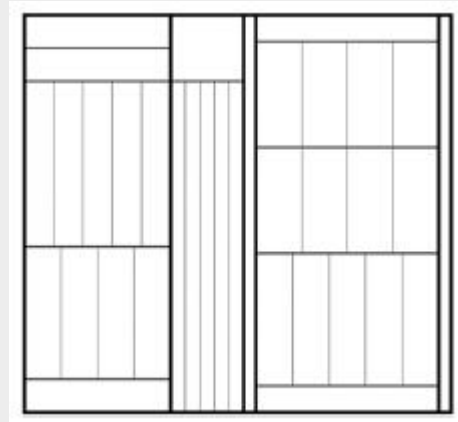
서울대학교, VPLab
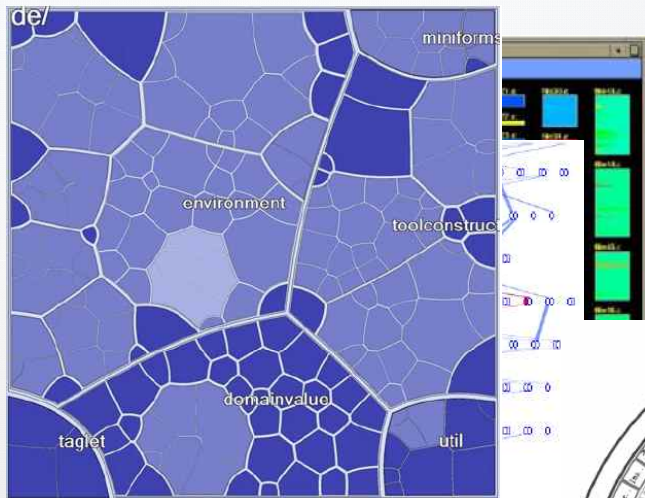이형민

How's your programming?

Software Visualization Topics

- Understanding

- Testing and Debugging
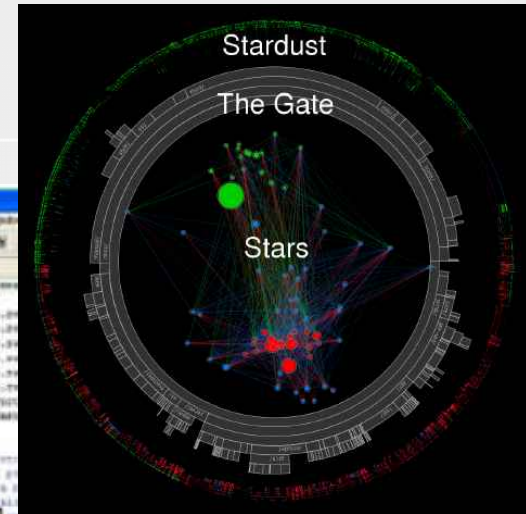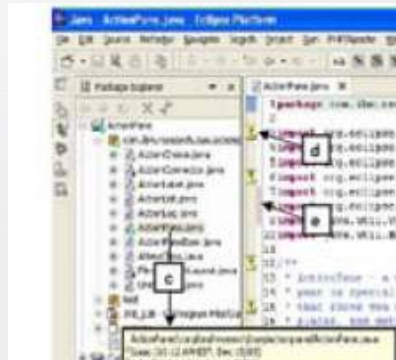
- Maintenance
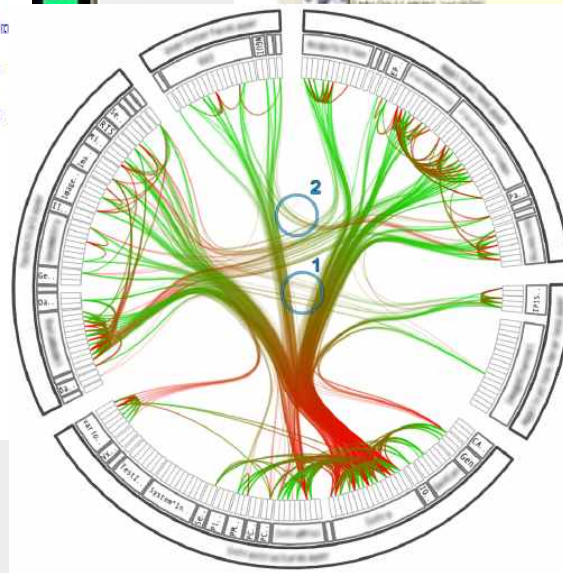
- Interaction & Layout

- Algorithm
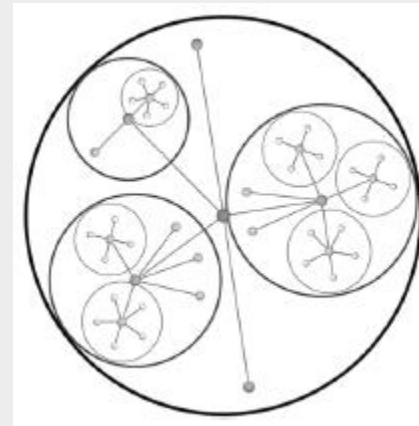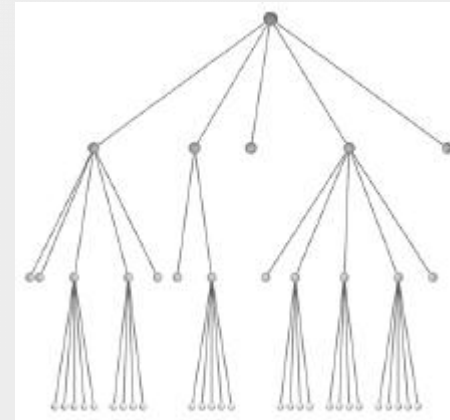
Some SoftVis Stuff?

StarGate (Ogawa et al., 2008)

Balzer et al., 2005

(Kupfer et al., 2004)

(Zimmer and Haake, 2001)

Ogawa et al., 2007

Holten, 2006

What's going on?

- Potential software bugs
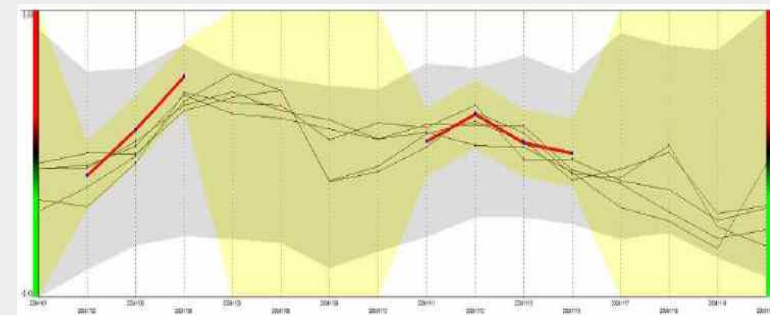 - memory leak, buffer overrun, null dereferencing, ...

Marking Line # is simple & intuitive approach

What should be done?

- Path-tracking visualization
  - cool idea rather than link tracking?

Whyline (Ko and Myers, 2009)

- Social visualization
  - facilitate discussing with other developers
    - ex) sharing ideas whether code alarm is false positive?

- Time-series visualization
  - Controlling source code history

Time-series visualization