



Encoding Program Test Information

- Strengths
 - Elegant solution to a real problem in software development
 - Mini user study done to select coloring scheme
 - Many interaction techniques provided to user
 - Discrete mode
 - Test case subset
 - Lightness of unrelated lines of code



Encoding Program Test Information

- Weaknesses
 - Not scalable
 - Would be unable to handle a real system
 - Unable to read source code due to color choice and size of code window
 - No mention of how to get the data to the preferred format (or any tool to give the coverage and pass data)
 - Bad description of how the coloring scheme works



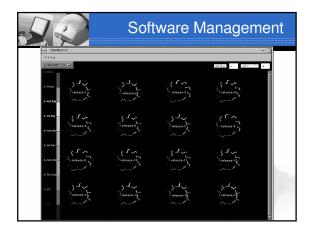
Software Management

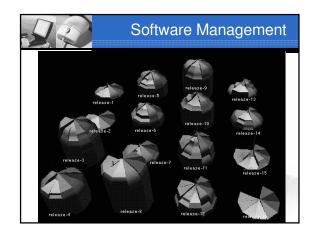
- Project Management
 - Many different types and quantities of resources to track and manage
 - Difficult to manage the amount of data collected with existing tools
 - Large volume of unstructured data
 - Diverse types
 - Resource = "real world" object
 - All data is time oriented

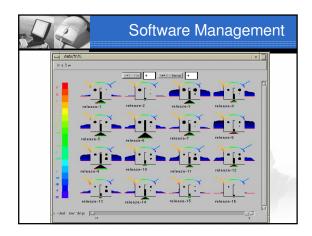


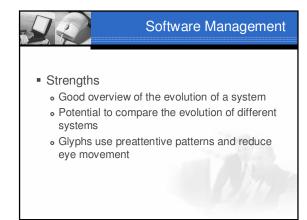
Software Management

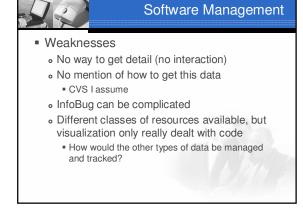
- Solution
 - Use a glyph to group the data and its properties
 - Shows the trends over time

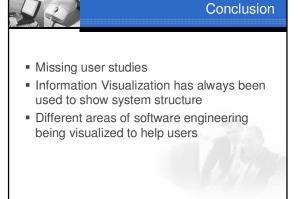














References

Visually Encoding Program Test Information to Find Faults in Software James Eagan and Mary Jen Harrold and James A. Jones and John Stasko Proc InfoVis 2001 pp. 33-36.

Managing Software with New Visual Representations,
Mei C. Chuah, Stephen G. Eick, Proc. InfoVis 1997.