



























Example: System Complexity

- Static analysis: Source code analysis
- Code Crawler imports XMI and calculates metrics
 - NOA, NOM, WLOC
- Renders polymetric System Complexity view
 - Width, height, color used for metrics
 - Position used for tree layout of inheritance
- Goal of this view is to classify inheritance hierarchies
 - Subsystems
 - Large stand-alone classes
- Can use other views to understand inner workings of specific hierarchies















Resources

• Tools

- <u>http://www.graphviz.org</u> (Dot)
- http://www.samoht.com/wiki/wiki.pl?SpringViz
- <u>http://www.eaipatterns.com</u> (Messaging Visualization)
- Wil v.d. Aalst: Process Aware Information Systems, Wiley, 2005
 - <u>www.processmining.org</u> (Process Mining Tool)
- Michele Lanza's work (CodeCrawler and more)
 - http://www.inf.unisi.ch/faculty/lanza
- Software Visualization by Stephan Diehl

