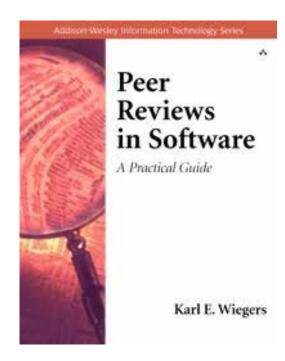
Code reviews / software inspections

Code reviews / software inspections



What is a Software Peer Review?



Having other people read the code

- Why do that?
 - Because, in many studies, it is the single most effective way to find and fix bugs
 - Human beings are pretty smart
 - Open source theory "many eyes make for shallow bugs"

What Kind of Review?



- Ad hoc "look at this"
- Peer deskcheck / "pass around"
- Pair programming

- Walkthrough
- Team Review
- Formal Inspection

Differences?



 Vary in amount of planning required, amount of formality, number of people and number of roles

 More heavyweight tend to be more effective, and more efficient ("more bugs for your buck") but sometimes aren't possible

Formal Inspections



- Include all of the following:
 - Planning
 - Preparation
 - An actual meeting
 - Correction of found defects
 - Verification of correction



 Role of moderator/reader is not given to the person/people who created the code in a formal inspection