

## ***Today's Agenda***

- **Regression Testing**

## ***Regression testing (IEEE)***

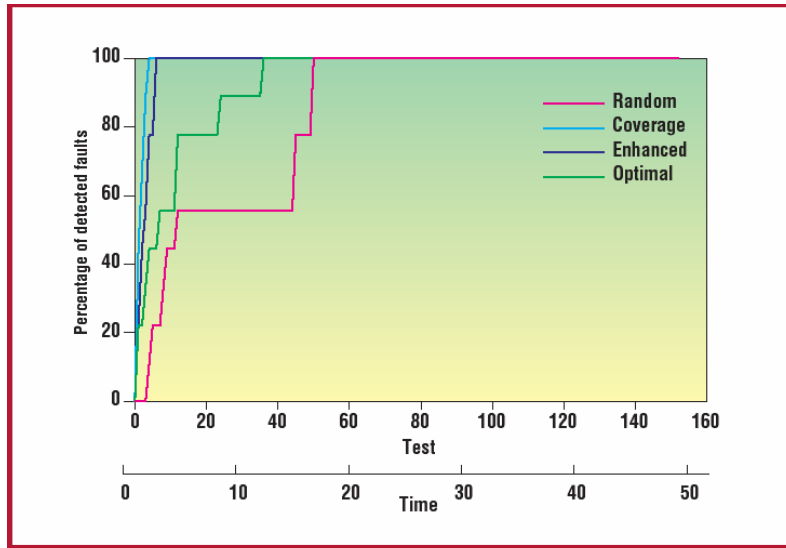
***Regression testing is selective retesting of a system or component to verify that modifications have not caused unintended effects and that the system or component still complies with its specified requirements.***

## **Strategies**

- **Retest all**
- **Regression test selection/test case prioritization**
- **Pro's and con's??**

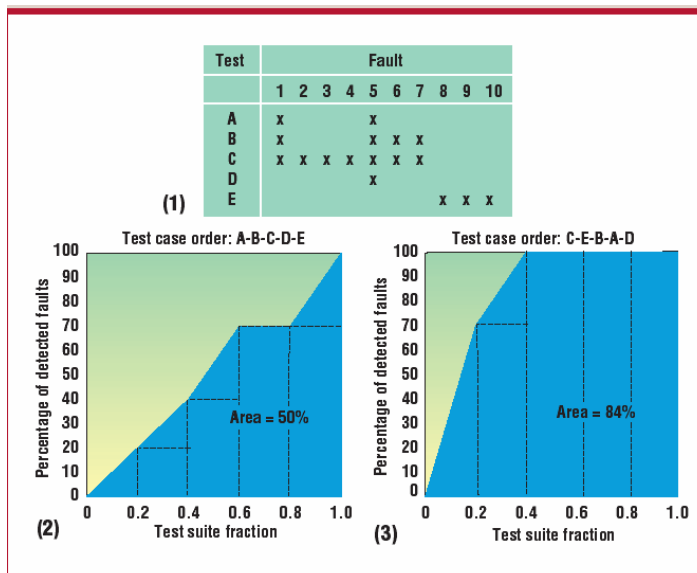
## ***Prioritization Scheme are designed to:***

- **Achieve coverage at the fastest rate possible**
- **Exercise features in order of expected frequency of use**
- **Reveal faults as early as possible**



**Figure 1. Fault detection rates for four prioritized test suites.**

From "Putting Your Best Tests Forward" by Gregg Rothermel and Sebastian Elbaum, IEEE Software, September/October 2003



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