



Analysis and Design Principles

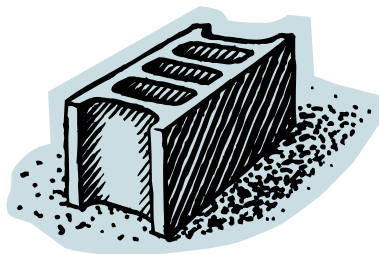
- **Modularity**
- Abstraction
- Encapsulation





Benefits of Modularization

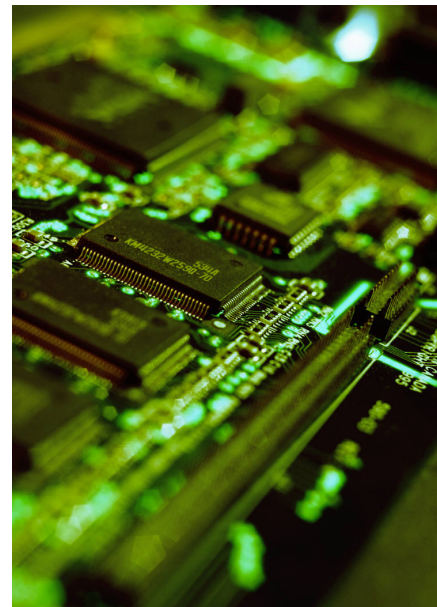
- Reduces complexity
- Results in easier implementation
- Facilitates change
- Encourages parallel development



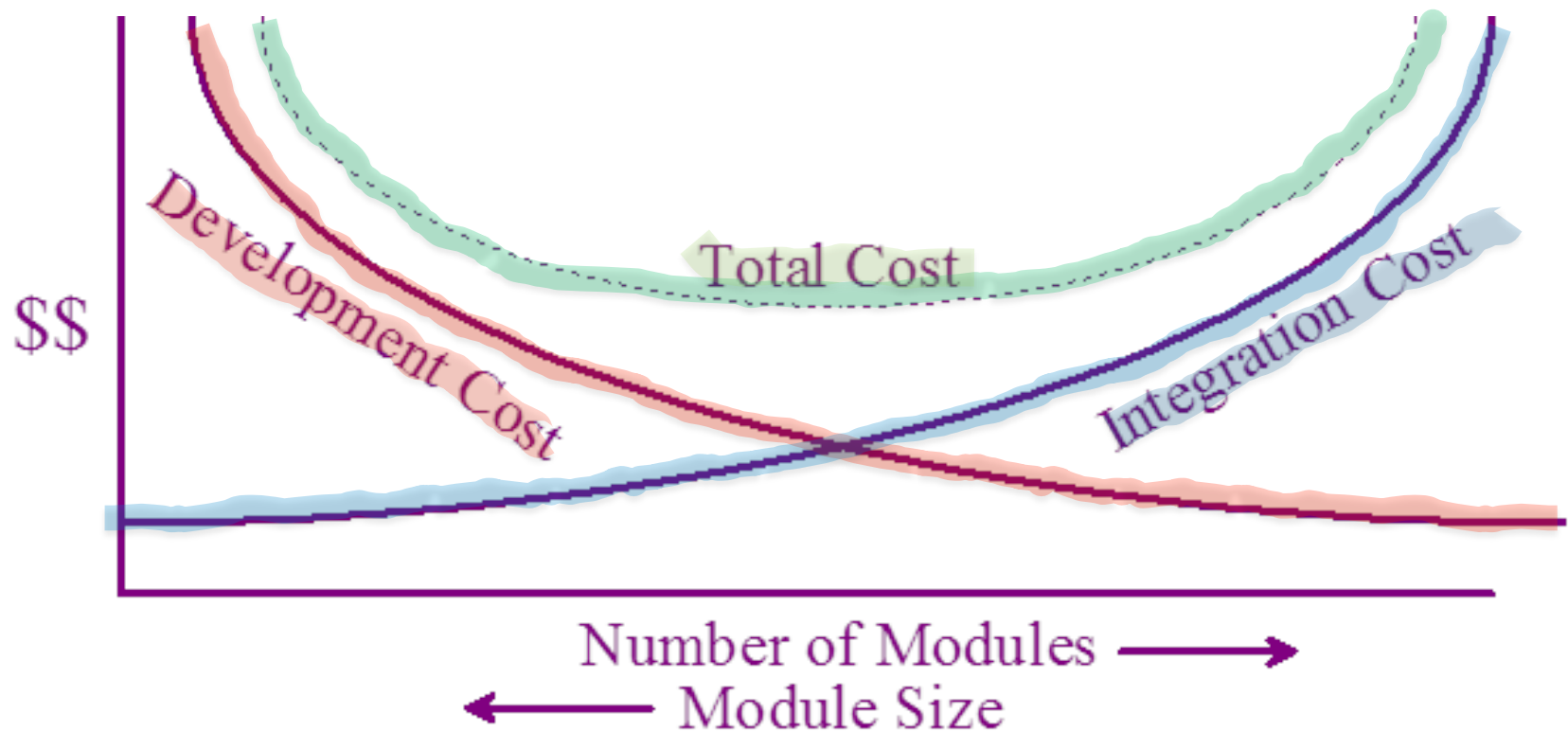


What is a Module?

- Component
- Class
- Method
- Package
- Subsystem



How Big is a Module?



How Do You Decide?

- High Cohesion



- Low Coupling





Next

- Abstraction



Jackson Pollock, "No. 5, 1948" https://en.wikipedia.org/wiki/File:No._5,_1948.jpg#mediaviewer/File:No._5,_1948.jpg