Software Analysis: Problem

- Models that elide details yet provide insight

- Finding errors / ensuring correctness

- Before or after coding

Software Analysis: Past & Future

- Past
  - Proofs
  - Z
  - UML
  - Simulation

- Future
  - Raw HP for problems
  - Off-the-shelf analysis
  - Partial specs
Tools & Environments: Problem

- Reqs
- Analy
- Impl
- Design

Tools & Environments: Past & Future

- **Past**
  - Programming Support (PSE)
  - Lifecycle (SEE)
  - Process Support
  - Multi-view

- **Future**
  - Integration & support for non-homogenous systems
  - Separation of concerns
  - Effective ties between levels of abstraction