1. Program Analysis

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* semantic = runtime behaviors of program
* semantic property = property about semantics
* program analysis = checking whether the program satisfies semantic properties
* concepts of program analysis =

\* Target Program

1. Domain Specific Analysis: Focus on purpose of the program

2. Non-Domain Specific Analysis: Analyze regardless of sake of program

3. Program Level Analysis: Analyze on real code

4. Model Level Analysis: Analyze on model of semantics

\* Target Property

1. Safety Property:

2. Liveness Property:

3. Information Flow Property:

* static vs dynamic: