MIT(16.399) - Abstract Interpretation (Patrick Cousot)

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This is more like a summary of all the lecture slides presented in ordered manner.

1 Overview of Abstract Interpretation

- **Static Analysis** :
- **Semantics & Undecidability** :
- **Safety Proofs** :
- **Abstract Interpretation & Formal Methods** :
- **Trace Semantics** :
- **Collecting Semantics** :
- **Abstracting Sets & Concretization** :
- **Convergence Acceleration** :
- **Interval Analysis** :
- **Refinement of Abstractions** :
- **Combinations of Abstractions** :
- **Backward & Forward Analysis** :