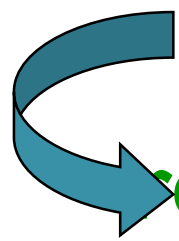


# Formal Methods

- **Formal methods include**

- Formal specification
- Formal verification



These are all based on mathematical representation and analysis of software

- Set theory, (temporal/first-order/higher-order) logics, automata, etc.
- Unambiguous syntax & sound semantics