

abstract (reasoning about math)

statically analyze program "early"

Haskell

DSLs

**Lisp, Math-
ematica, ...**

**Scala,
Java,
C#**

**Python, R,
Ruby, JS, ...**

Fortran

**C++, Go,
Swift, ...**

Julia

Rust

C

"late" compilation and error-catching

"bare metal" (reasoning about machine)

