

Lecture 27:

Types of Types

“It would appear that we have reached the limits of what it is possible to achieve with computer technology, although one should be careful with such statements, as they tend to sound pretty silly in five years.”

John Von Neumann, 1949



Menu

- Types and Type Checking
- Typed Scheme

Types

Numbers

Strings

programs that halt

Colors

Beatle's Songs that don't end on the Tonic

lists of lists of lists of anything

- Type is a (possibly infinite) set of values
- You can do some things with some types, but not others