

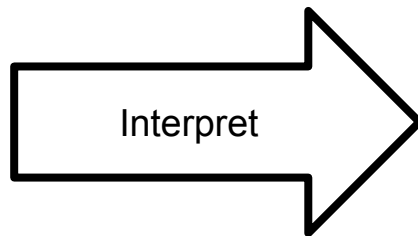
Definitional Interpreters

John C. Reynolds

Goal: Survey Definitional Interpreters

Defined Language

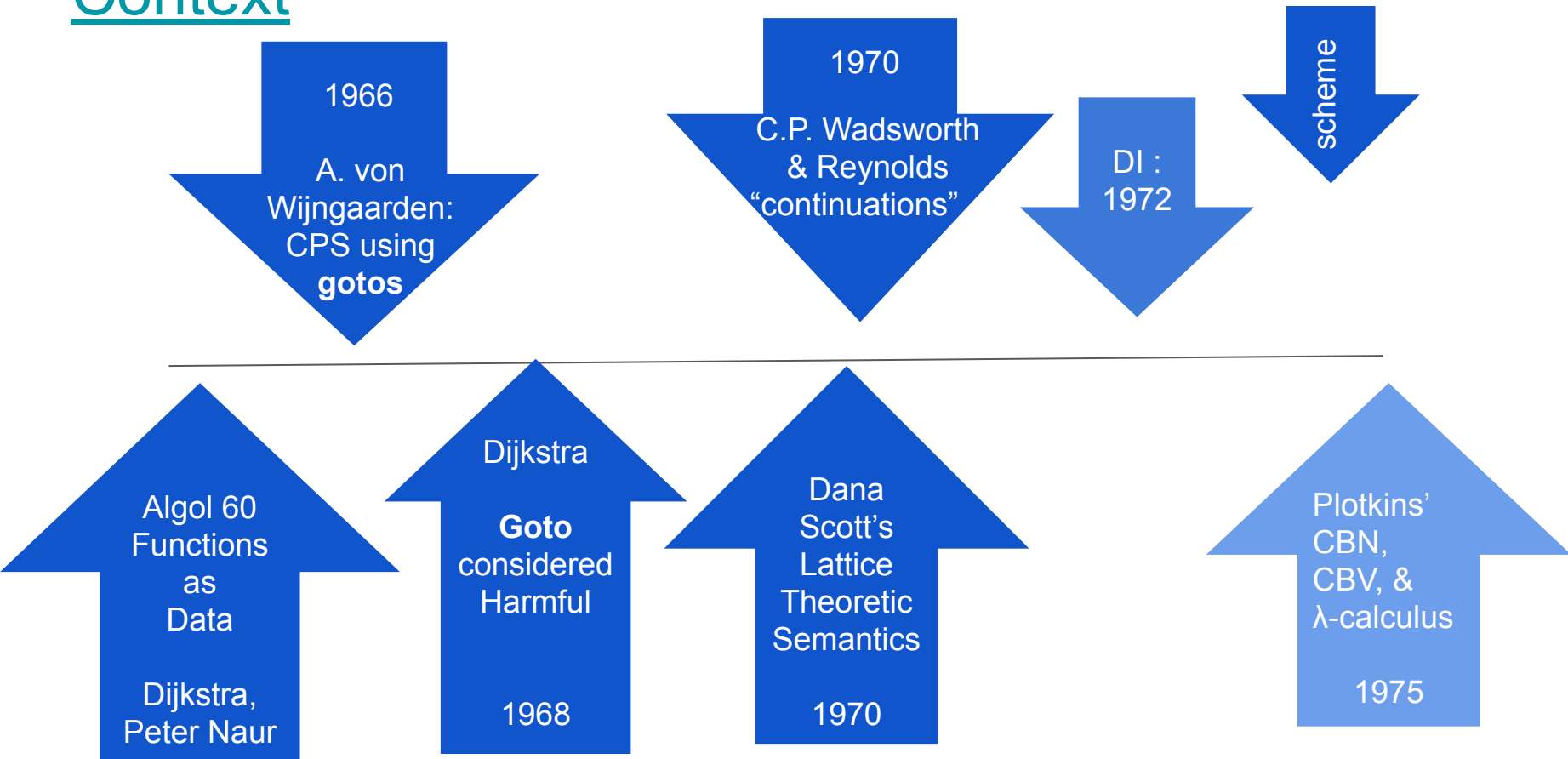
- + Applicative
- + Imperative
- + Higher/~~First~~ Order



Defining Language

- + First/Higher Order?
- + Order Of Application?
 - + CBN & CBV

Context



On To the Interpreters!

Higher Order Language:

Interpreters:

- + CBN & Higher Order
- + CBN & Defunctionalized
- + CBV via continuations & Defunctionalized
- + CBV via continuations & Defunctionalized + escapes

#haskell