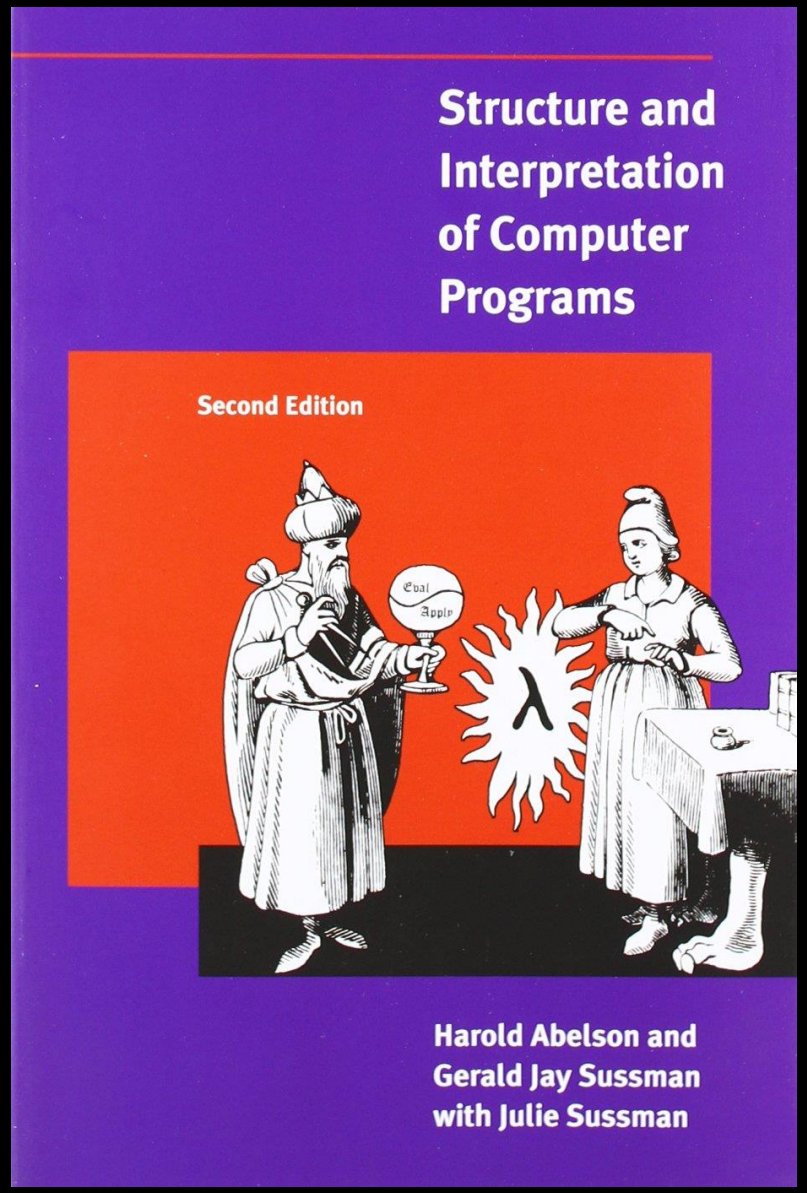

SICP Cover Demystified

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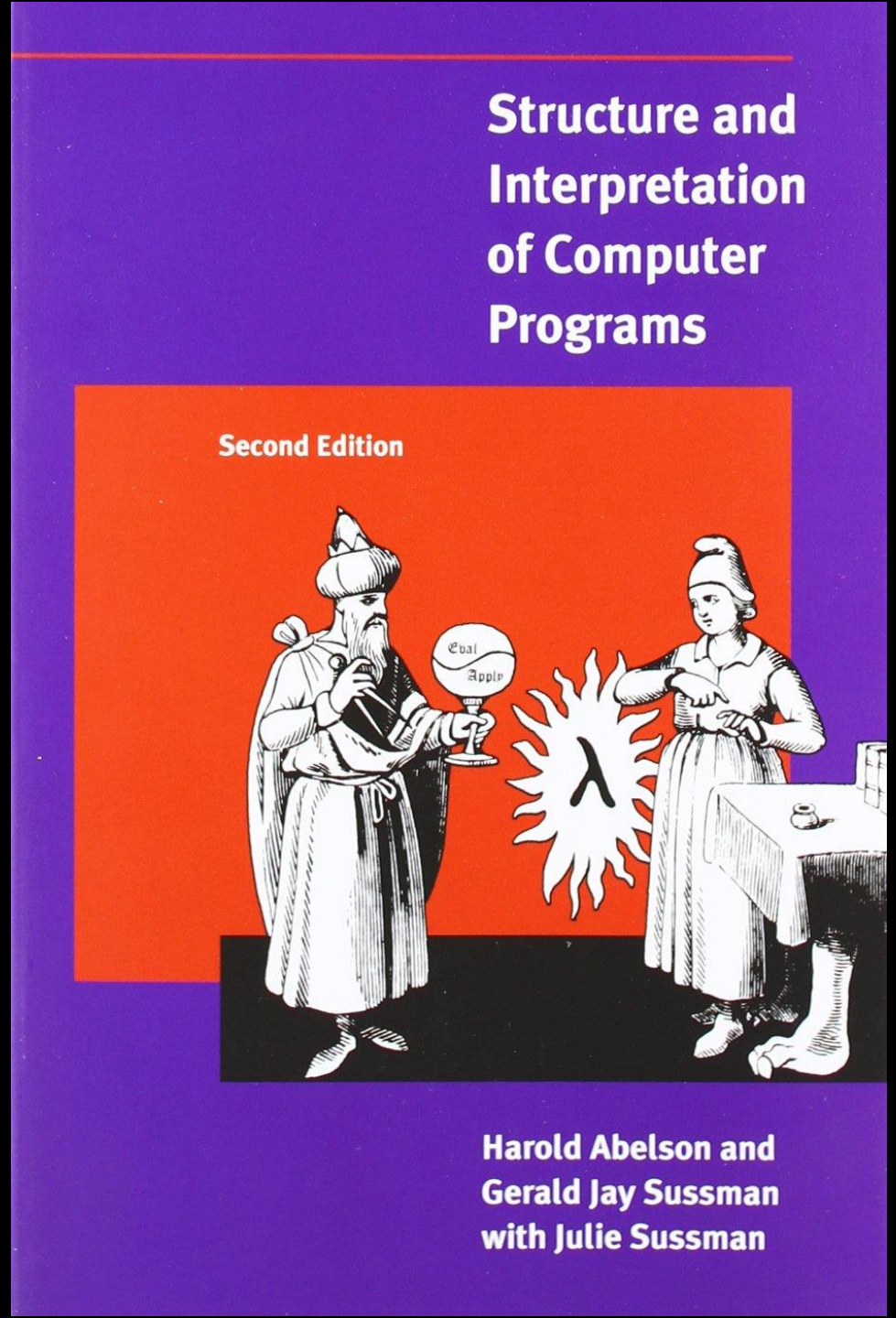


"the best computer science book in the world"

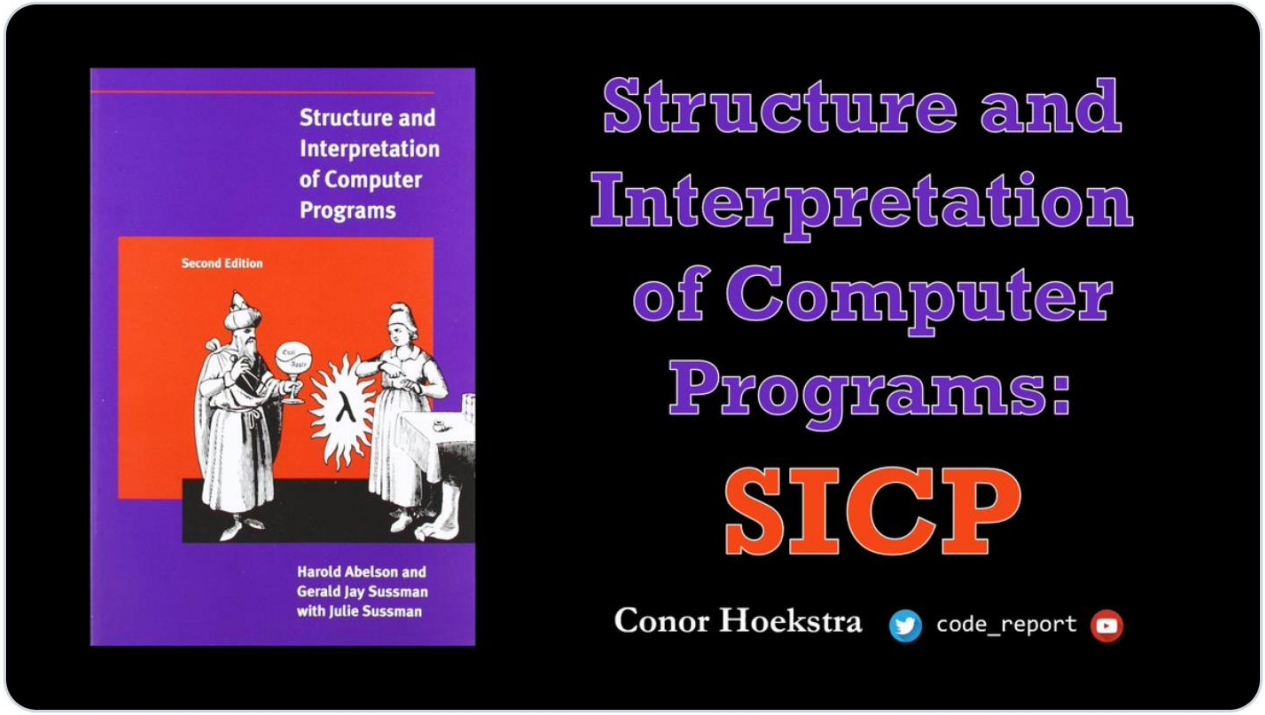
Brian Harvey

UC Berkeley Professor of 61A for 25+ Years

Pinned Tweet

Conor Hoekstra
@code_report

Excited to be presenting my 2nd ever @cppcon talk (sched.co/e7B2) in two weeks from today on the Structure and Interpretation of Computer Programs, one of the best (if not the best) CS text books of all time 👨‍🎓🎉 Looking forward to chatting with folks virtually 🙂



3:55 PM · Sep 4, 2020 · Twitter Web App

JF Bastien @jfbastien · Sep 4

Replying to @code_report and @CppCon

What's an eval apple?

1 1 2

JF Bastien @jfbastien · Sep 4

Replying to @code_report and @CppCon

What's an eval apple?

1 1 2

Conor Hoekstra @code_report · Sep 4

Very funny JF. You and I both know it is "eval / apply" - although from the lower res image it does look a little like apple 🍎🍏😛

1 3

JF Bastien @jfbastien · Sep 4

I'm pretty sure it's an eval apple, Conor.

Any like, why does he have chopsticks???
What's that sunny easel???
Why is there a pot on the table???

Weird book overall IMVHO. 🤦‍♂️

I'm looking forward to understand all of it from your talk!

1 6

Conor Hoekstra
@code_report

Replying to @jfbastien and @CppCon

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JF Bastien @jfbastien · Sep 4

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I expect answers to these questions in your talk, Conor!

I have high hopes that by the end I'll understand the entire book's cover 🥰

1 10

The Authors

Composite image by Nick Papadakis

Structure and Interpretation of Computer Programs
Second Edition
Harold Abelson and Gerald Jay Sussman with Julie Sussman

Structure and Interpretation of Computer Programs has had a dramatic impact on computer science curricula over the past decade. This long-awaited revision contains changes throughout the text.

There are new implementations of most of the major programming systems in the book, including the interpreters and compilers, and the authors have incorporated many small changes that reflect their experience teaching the course at MIT since the first edition was published.

A new theme has been introduced that emphasizes the central role played by different approaches to dealing with time in computational models: objects with state, concurrent programming, functional programming and lazy evaluation, and nondeterministic programming. There are new example sections on higher-order procedures in graphics and on applications of stream processing in numerical programming, and many new exercises.

In addition, all the programs have been reworked to run in any Scheme implementation that adheres to the IEEE standard.

Harold Abelson is Class of 1922 Professor and MacVicar Teaching Fellow, and Gerald Jay Sussman is Matsushita Professor of Electrical Engineering, both in the Department of Electrical Engineering and Computer Science at the Massachusetts Institute of Technology. They have each received major computer science education awards: Abelson the IEEE Computer Society Booth Award and Sussman the ACM Karlstrom Award. Julie Sussman is a writer and editor, in both natural and computer languages.

Cover images adapted from *Le Moyen Age et la Renaissance*
Paris, 1848–1851

"[T]he book should be read by every self-respecting computer scientist. Because of its clarity, simplicity, and wit, this work is highly recommended to anyone seeking an understanding of the emerging paradigms of computer science."
— Mitchell Wand, *American Scientist*

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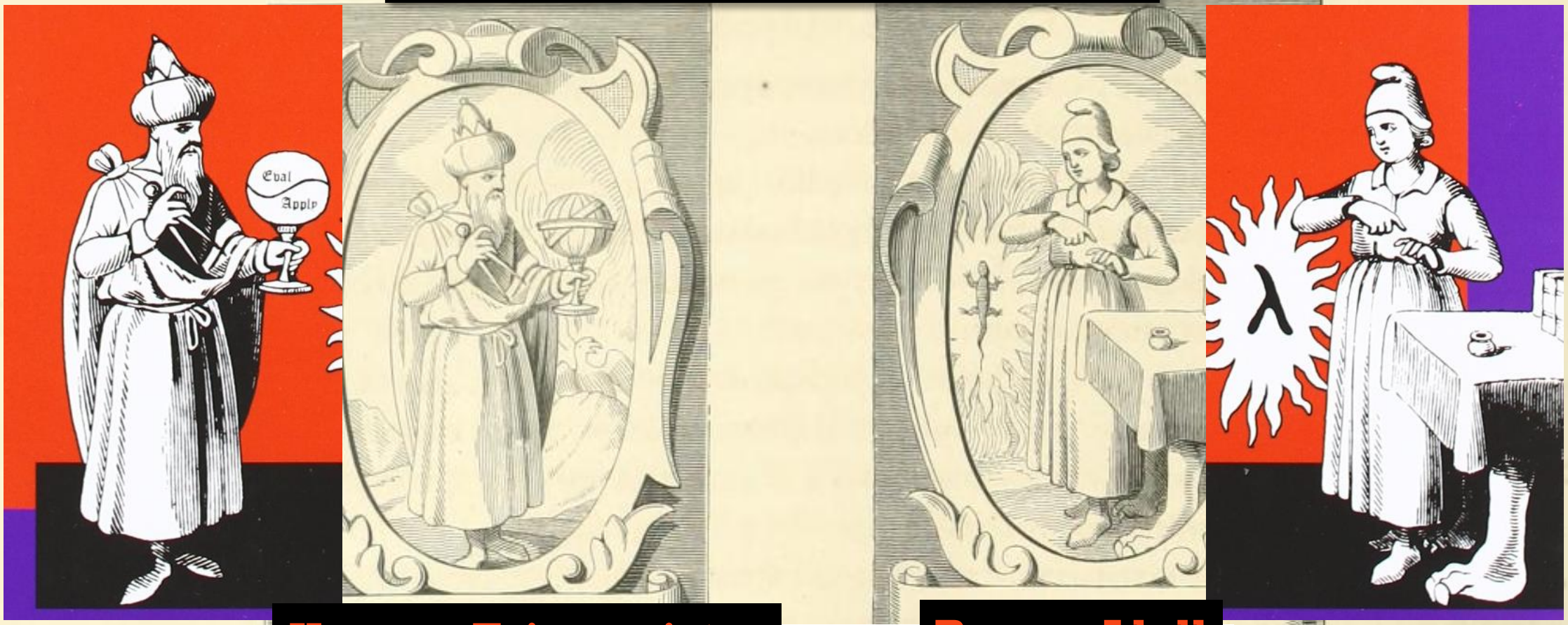

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a pioneer of computation theory

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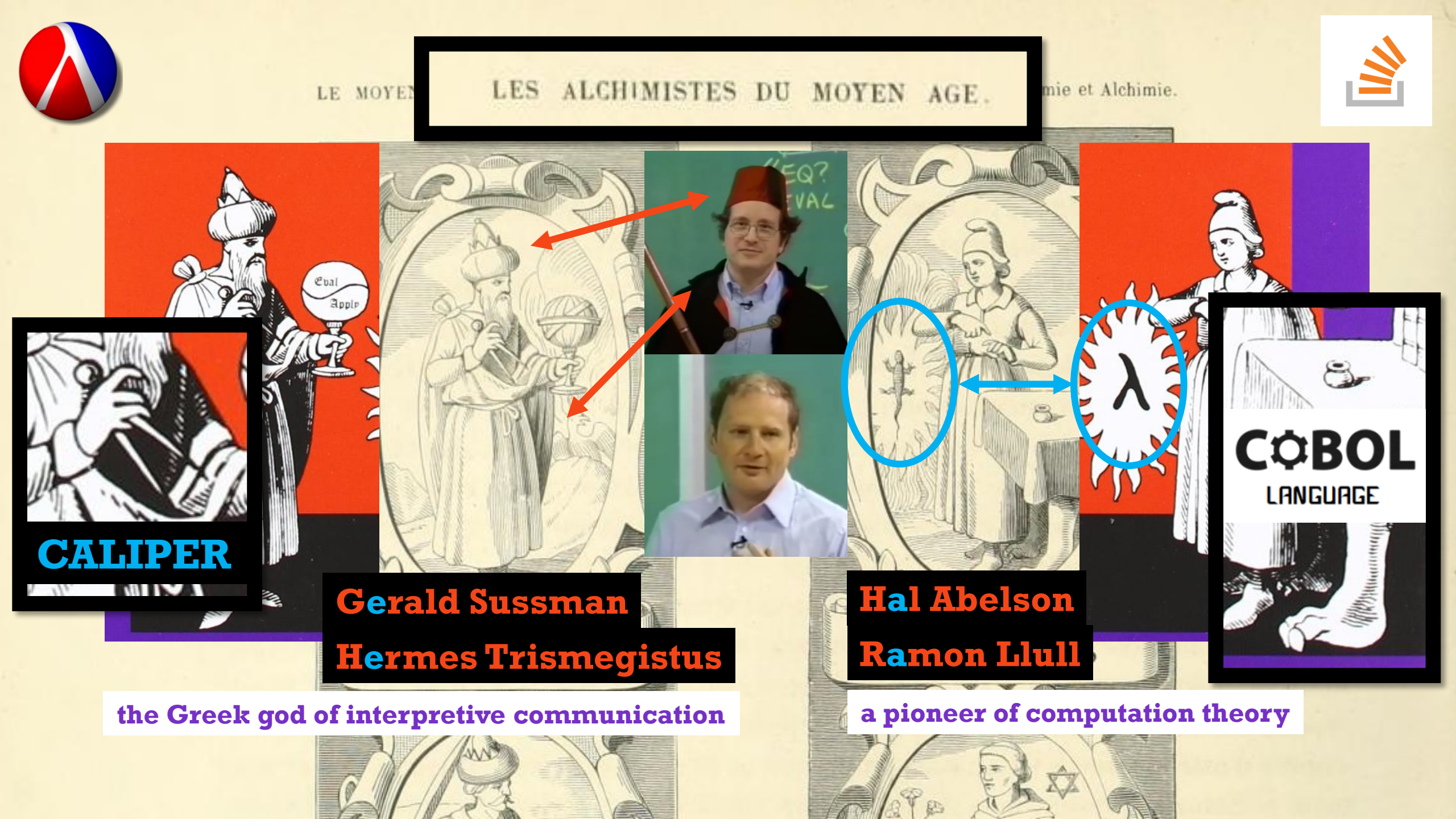
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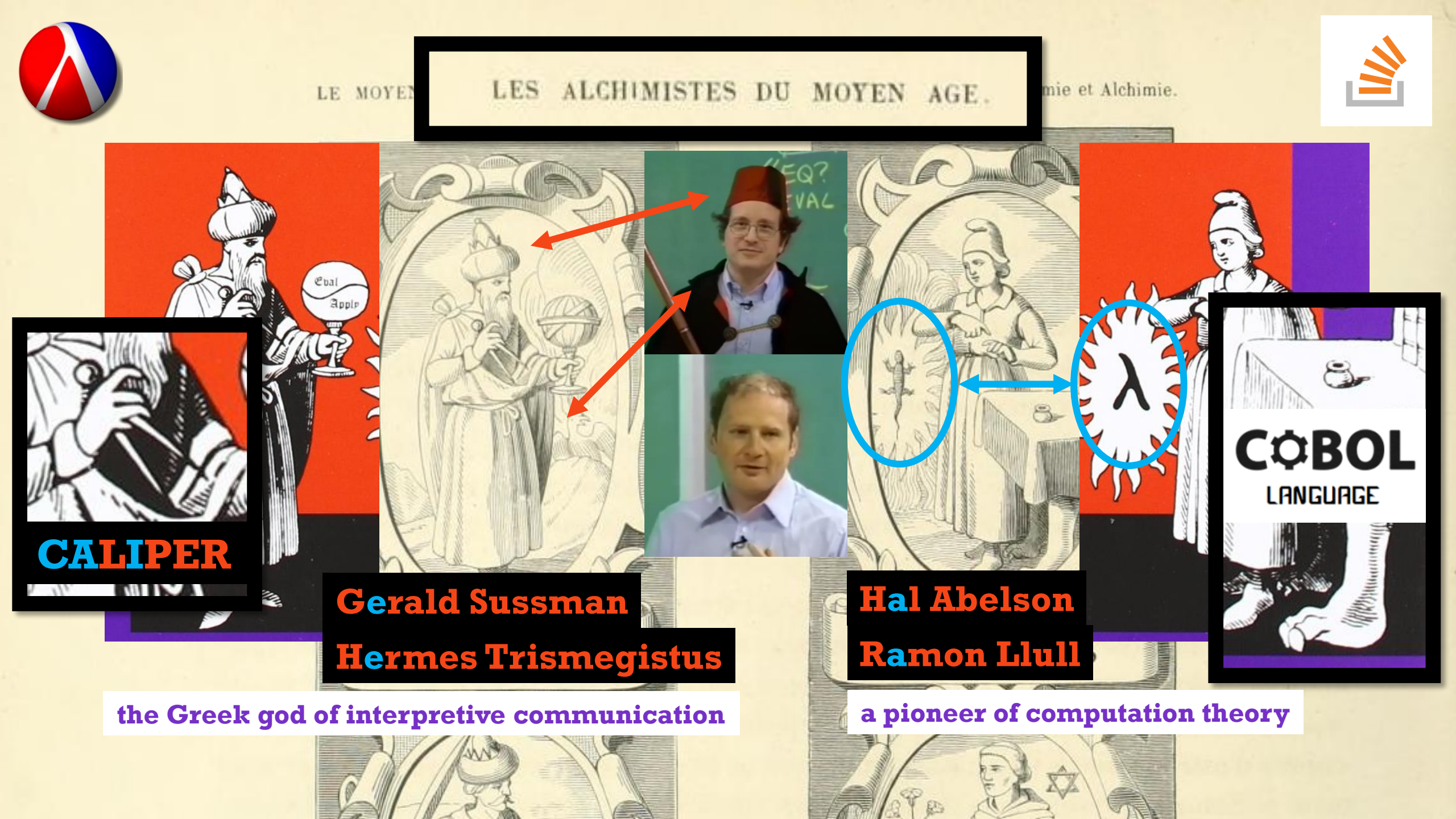
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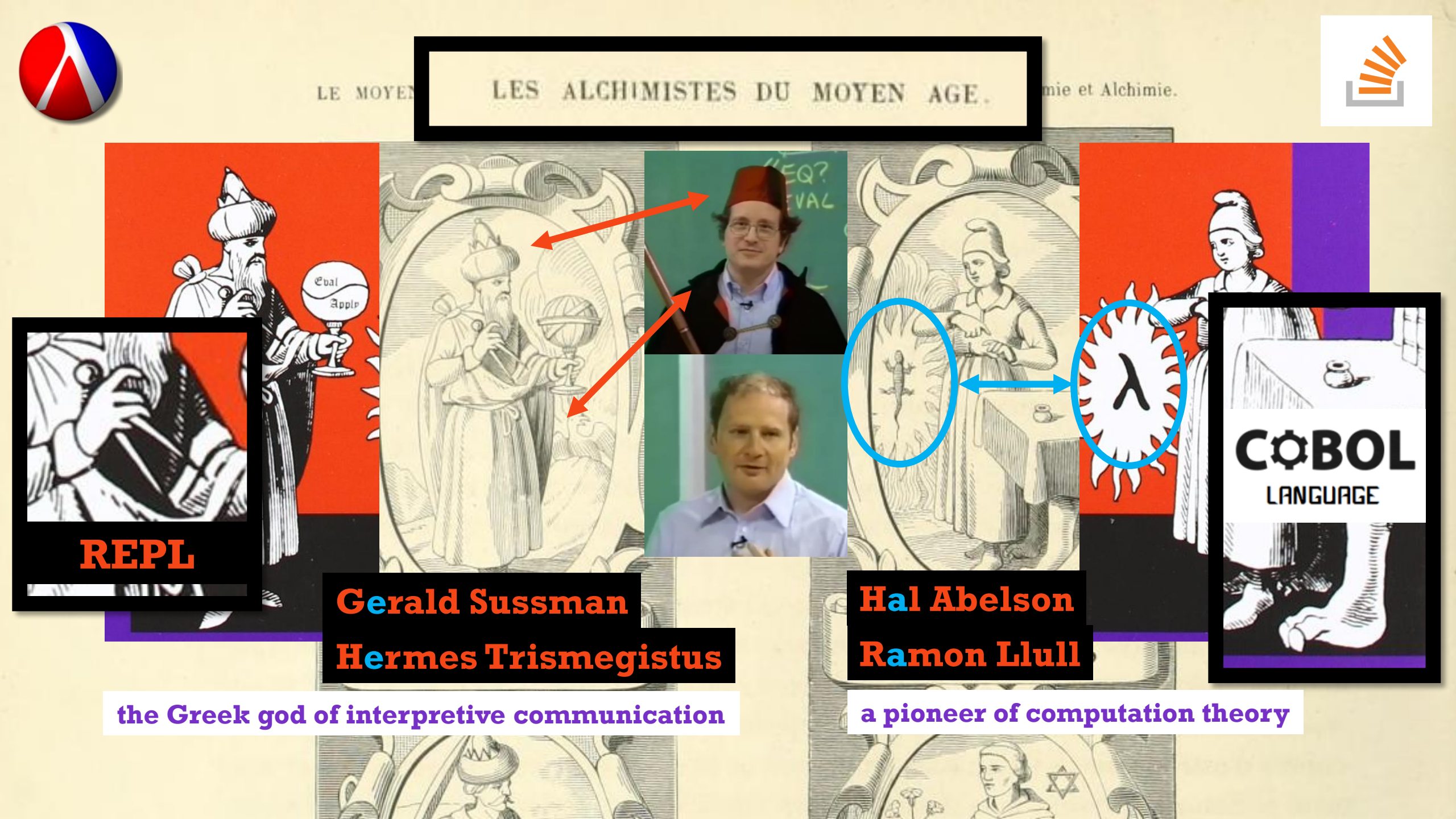
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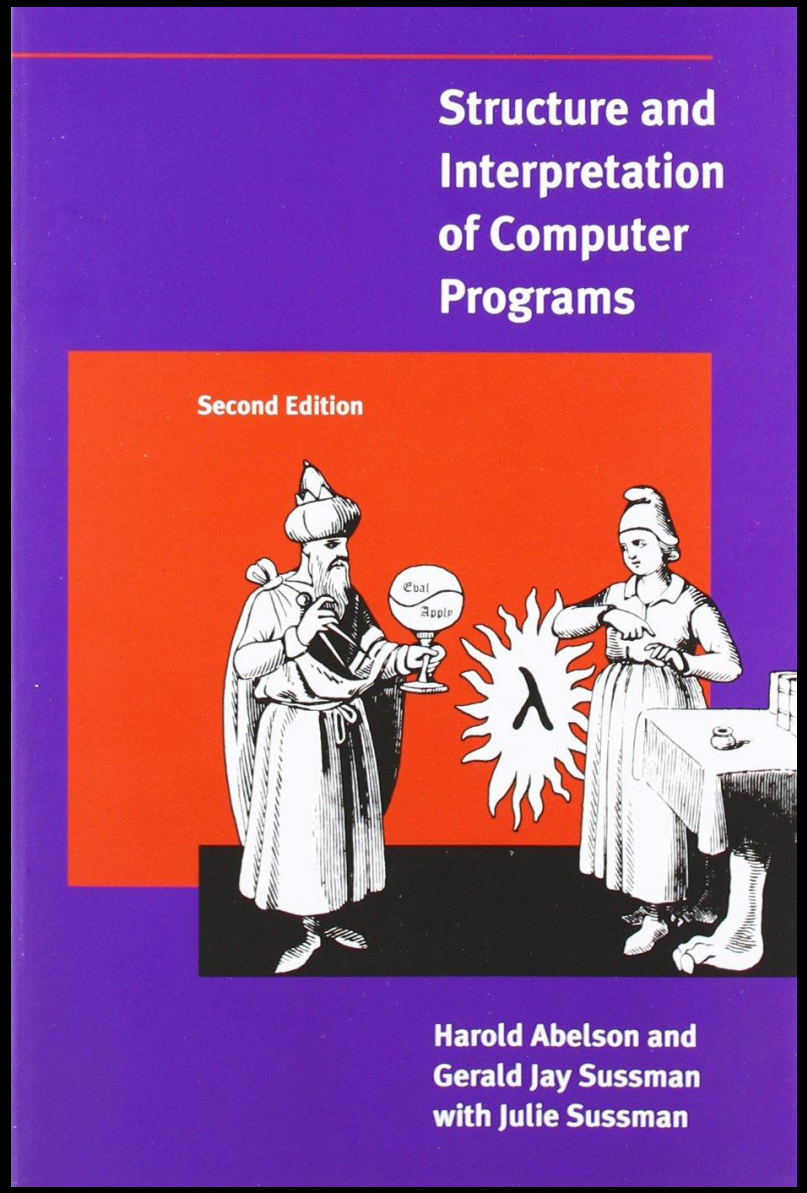

Thank You!

Conor Hoekstra

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