

The Power of Lambda Calculus and Types

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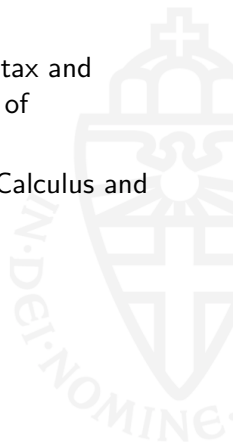


- Combinatory Logic
- Lambda Calculus
- Self-reflection and Lambda Calculus as Universal Computing Language
- Typed Lambda Calculus and Formulas-as-Types
- Inductive Types and Homotopy Types.



For Lectures 1/2:

- Henk Barendregt - The Lambda Calculus, Its Syntax and Semantics (Studies in Logic and the Foundations of Mathematics, Volume 103).
- J. Roger Hindley , Jonathan P. Seldin - Lambda-Calculus and Combinators: An Introduction 2nd Edition



General: Felice Cardone, J. Roger Hindley - History of Lambda-calculus and Combinatory Logic

For Lectures 1/2:

- Schönfinkel, Curry,
- Church, Kleene
- Böhm, Barendregt, Hindley, . . .

