

Construction and Verification of Software

Master Programme in Computer Science

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Lecture 2

Functional Programming (2/3)

1. proofs by induction

- induction on natural numbers
- beyond natural numbers: structural induction
- generalizing the induction hypothesis

- Software Foundations, Volume 1:
`https://softwarefoundations.cis.upenn.edu/
lf-current/index.html`
(Chapter 2)