

Povzetek

Predstavljen je lambda račun. Kot njegova uporaba v računalništvu so predstavljene osnove funkcijskega programiranja. Pregledno je podan podroben dokaz Church-Rosserjevega izreka za beta poenostavitve. Navedene so tudi osnove teorije izračunljivosti, pomen lambda računa v njej ter rezultati o neodločljivosti.

Lambda calculus is formally introduced. As its application in computer science, the basics of functional programming are presented. The Church-Rosser Theorem is discussed and its proof is given. The basics of computability theory, the role of lambda calculus in computability theory and undecidability results are presented and commented on.

Math. Subj. Class. (MSC 2000): 03B40, 68N18

Ključne besede:

lambda račun, kombinatorni račun, Church-Rosserjev izrek, izračunljivost, neodločljivost

Keywords:

lambda calculus, combinatory logic, Church–Rosser theorem, computability, undecidability

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