Computational model of lambda calculus

Martin Stoev, Anton Dudov

2018-9-28

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1 Definitions

(1) If A is a r.e. set then ψ_A is the enumeration operator defined by it, namely

$$x \in \psi_A^B \iff (\exists u\, finite)((x,u) \in A \wedge D_u \subseteq B) \tag{1}$$

(2) If θ is an enumeration operator then G_θ is a well-defined r.e. set defining it, namely

$$(x,u) \in G_\theta \iff x \in \theta^{D_u} \tag{2}$$

1.1 Subsectioon

easy peasy

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References

[1] S. B. Cooper, *Computability Theory*. 2003.

[2] P. Odifreddi, *Classical recursion theory*. 1989.