

Constructive interpretations of classical logic

Silvia Ghilezan
University of Novi Sad
Serbia

In the well-known correspondence between lambda calculus and intuitionistic logic types represent formulae, whereas lambda terms represent proofs. This correspondence is mainly considered for natural deduction systems. In a similar way lambda mu calculus presents a constructive interpretation of classical logic. There are two versions of lambda mu calculus which correspond to both natural deduction and sequent formulation of classical logic. The relation between these two calculus will be discussed.