Seminário de Teoria da Computação

Anti-unification modulo syntactic, associative and commutative equational theories

Gabriela de Souza Ferreira
PPGMAT- UnB

22/10/21

10:00 Horas

Zoom Meeting

https://us02web.zoom.us/j/89412679078?pwd=ZjV6b3BvaGYwNFVLWXJaTWd6TjVWZz09

Abstract. The *anti-unification problem* is concerned about finding the least general generalization of a couple of terms, say s and t. In other words, it is the problem of finding a term r that could "represent" either both terms via substitutitions σ_1 and σ_2, that is, $\sigma_1 r = s$ and $\sigma_2 r = t$.

In this talk we will present the anti-unification problem modulo the *empty*, *associative* and *commutative* equational theories. We will show the simplification rules of each of these cases and discuss them by examples, pointing out the different results obtained for each equational theory. The purpose is analyse the termination, confluence and correctness properties of the anti-unification algorithms.