

SEMINÁRIO DE TEORIA DA COMPUTAÇÃO

A formalisation that the Z property implies Confluence

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21/09/18

10:00 Horas

Sala: MAT B - térreo do MAT

Abstract.

We present a formalisation in the Coq proof assistant that the Z property implies confluence for abstract rewriting systems. As an application, we show how it can be used to prove confluence of a calculus with explicit substitutions.