



A Formalisation that Z Property implies Confluence

Flávio L. C. de Moura and Leandro Oliveira Rezende

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Universidade de Brasília

1. Abstract Rewriting Systems
2. Application: Explicit Substitutions

Abstract Rewriting Systems

Confluence and the Z Property



Application: Explicit Substitutions

Locally Nameless Representation

- Developed in Coq by Arthur Charguéraud.
- No need for α -conversion.
- Cofinite quantification is used to obtain strong induction principles.

Questions?