

Implementation of decision procedures for non-Fregean logic SCI

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1 Sentential logic and the Fregean axiom

2 SCI

2.1 ...

2.2 Axiomatization of SCI

3 Satisfiability in SCI

3.1 SCI is decidable

3.2 Decision procedures

3.2.1 T decision procedure

3.2.2 T^* decision procedure

4 Implementation

4.1 Data structures

4.2 Optimizations

5 Comparison of T and T^* systems

5.1 Size of produced proof trees

5.2 Time complexity

5.3 Real time