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**Un résultat de complétude pour les substitutions explicites. (A completeness result for explicit substitutions).** (French) [Zbl 0717.68053](#)

C. R. Acad. Sci., Paris, Sér. I 312, No. 6, 471-476 (1991).

Summary: We establish a completeness result of  $\lambda\sigma$ -calculus with respect to  $\lambda$ -calculus. Specifically we construct an interpretation of  $\lambda\sigma$ -calculus into  $\lambda$ -calculus, which is such that a source term is typable iff its translation is typable (with the same type). We restrict ourselves to first-order types.

**MSC:**

[68W30](#) Symbolic computation and algebraic computation

[03B40](#) Combinatory logic and lambda calculus

Cited in **1** Document

**Keywords:**

substitution; closure operation