

**MR1163040 (93f:68055)** 68Q42 03B40

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**Confluence of the lambda calculus with left-linear algebraic rewriting.**

*Inform. Process. Lett.* **41** (1992), no. 6, 293–299.

The author considers applicative term rewriting systems (ATRSs), i.e., the untyped  $\lambda$ -calculus with  $\beta$ -reduction, augmented with algebraic operations. These additional operations obey certain laws given as rewriting rules on terms. Then these rewriting rules are assumed to be left-linear and without any application of variables in their left-hand sides. Under these assumptions the combined reduction relation of an ATRS turns out to be confluent (Church-Rosser) whenever the added algebraic part alone is confluent.

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