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## Using Prolog for the study of algebraic structures and complex operations

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ABSTRACT. Should mathematicians learn the Prolog language? Due to its ability of modeling algebraic structures having complex operations and its backtracking algorithm able to scan a search space looking for solutions, Prolog becomes a great tool to study complex algebraic structures. The model of interactions between compilers when computer scientists are attempting to bootstrap a system or to create a new language or a new compiler is such an algebraic structure. This paper tries to answer “yes” our previous question.

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