

LL One-Sided Random Context Grammars

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The study of grammars, especially grammars that perform leftmost derivations can be useful from practical and also from theoretical viewpoint. Leftmost derivations are useful for the easiest understanding of parsing and it can help to increase the power of some grammars.

The goal of this presentation is to describe One-Sided Random Context Grammars and types of their leftmost derivations. Mostly we focus on LL One-Sided Random Context Grammars.

In the first part, we focus on standard One-Sided Random Context Grammars. We also describe types of leftmost derivation and describe difference between them.

The next part focuses on LL One-Sided Random Context Grammars. At first we define Context-Free Grammar and LL One-Sided Random Context Grammar. We describe the relation between Context-Free Grammars and LL One-Sided Random Context Grammars.