Grammarware Engineering

Grammarware is a methodology for the engineering of formal grammars. It provides a structured approach to the design and development of grammars, ensuring that they are complete, consistent, and maintainable. Grammarware helps in defining a baseline grammar that serves as a starting point for further development. This baseline grammar can then be adapted to fit specific needs, resulting in readable and adapted grammars.

Key components of Grammarware include:

- **Database**: Stores information about the grammar's structure and rules.
- **Renovation tool**: Used to modify the baseline grammar.
- **Compiler**: Converts the adapted grammar into a working program.
- **Parser spec**: Specifies how the parser should process the grammar.
- **Baseline grammar**: The foundational grammar.
- **Readable grammar**: A human-readable version of the grammar.
- **Adapted grammar**: The grammar modified to fit specific requirements.
- **Online manual**: Documentation for the grammar.
- **Structured editor**: Tool for editing the readable grammar.

Grammars are everywhere!

Centrum Wiskunde & Informatica (CWI) is the national research institute for mathematics and computer science in the Netherlands. CWI is part of the Netherlands Organisation for Scientific Research (NWO).