

Schwach kontextsensitive Grammatikformalismen

<http://user.phil-fak.uni-duesseldorf.de/~kallmeyer/GrammarFormalisms/index.html>

Laura Kallmeyer

kallmeyer@phil.uni-duesseldorf.de

Sommersemester 2011

1 Allgemeine Information

Seminar: Dienstag 16.30–16.00 Raum 23.21.U1.46
und Mittwoch 10.30–12.00 Raum 22.01.HS 2B
Seminarbeginn: 5. April 2011.
Seminarende: 13. Juli 2011.
Credits: 6 CP
Dozentin: Laura Kallmeyer
Sprechstunde: Dienstag, 13.00-14.00
Büro: 23.03.01.23
Tel.: 07071-29-77513
Email: kallmeyer@phil.uni-duesseldorf.de

2 Schedule

5.4. Introduction
6.4. Are natural languages context-free?
12.4. Tree Substitution Grammars
13.4. Tree Adjoining Grammars (TAG): Formal definition
19.4. TAG: Formal properties
20.4. TAG: Parsing I
26.4. TAG: Parsing II
27.4. TAG: Automata
3.5. Linear Indexed Grammars (LIG)
4.5. Multicomponent TAG (MCTAG) I
10.5. Multicomponent TAG (MCTAG) II
11.5. Mild context-sensitivity (MCS) I
17.5. Mild context-sensitivity (MCS) II
18.5. Linear Context-Free Rewriting Systems (LCFRS): Formal definition
24.5. LCFRS: Language properties
25.5. LCFRS: Normal Forms
31.5. LCFRS: Parsing I
1.6. LCFRS: Parsing II

- 7.6. LCFRS: Automata I
- 8.6. LCFRS: Automata II
- 14.6. Minimalist Grammar
- 15.6. Well-nested LCFRS I
- 21.6. Well-nested LCFRS II
- 22.6. Simple Range Concatenation Grammars
- 28.6. Some MCS languages
- 29.6. Relations between MCS formalisms I
- 5.7. Relations between MCS formalisms II
- 16.7. LCFRS and non-projective dependencies
- 12.7. Final exam
- 13.7. Discussion of final exam

3 Course Readings

Most of the literature will be given in the course of the semester (see the references at the end of the slides). For an overview of a large range of the mildly context-sensitive formalisms considered here, see the textbook [Kal10].

References

- [Kal10] Laura Kallmeyer. *Parsing Beyond Context-Free Grammars*. Cognitive Technologies. Springer, Heidelberg, 2010.