

Chapter 1

Inflectional Morphology

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1 Introduction

1.1 Classical challenges of inflectional systems

- Introduction into properties of inflectional systems: e.g. cumulation, extended exponence, overlapping exponence, zer exponence
- Typology of morphological approaches (Hockett; Stump (2001))
Known issues with IA and IP approaches; known issues with incremental and lexical approaches
- Overview of HPSG approaches to inflection (Item-and-Arrangement, Item-and-Process, Word-and-Paradigm)

2 Lexical rules

- Vertical vs. horizontal redundancy
- Discussion of meta level vs. description level lexical rules (Meurers 2002)

3 Inheritance-based approaches

- Discussion of the move from lexical rules to inheritance hierarchies, pioneered in works on derivational morphology (Riehemann 1998; Krieger, Pirker & Nerbonne 1993; Koenig 1999)



- Online type construction (Koenig & Jurafsky 1994)
- Extension to inflectional morphology (Koenig 1999)

4 Information-based Morphology

4.1 Architecture and principles

- Desiderata: atomistic and holistic views
- Relating form and function: a walk-through example
- Rule types and rule instances
- Well-formedness principles
 - Completeness/coherence
 - Ordering
- Pāṇinian competition

4.2 Morphotactics

- Variable morphotactics (Crysmann & Bonami 2016)
 - Free and conditioned ordering
 - Parallel inflection (Stump 1993; Crysmann & Bonami 2016; Broadwell 2017)
- Pivot-based morphotactics
 - stem pivot
 - edge pivot (Sorani; Bonami & Crysmann (2013))

4.3 Further applications

4.3.1 Extended exponence (Crysmann 2017)

Brief discussion of Nyanja pre-prefixation

4.3.2 Gestalt exponence (Crysmann & Bonami 2017)

Estonian

4.3.3 Heterocclisis and overabundance (Bonami & Crysmann to appear)

Discussion of heterocclisis and overabundance in Czech

5 Inflectional morphology in implementation

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