What is DM without Minimalism?

Morpheme-based Morphosyntax

Complex words have internal structure and arrangement of morphemes is syntactic Words are not atomic in DM, and paradigms are epiphenomenal

This property of DM is often called "syntax all the way down" in the DM literature Realization

Morphology expresses meaning and function

Realizational approaches typically assume completed featural structures as the input to morphological operations

The DM literature uniquely calls this property late insertion.

Morphology as an interface

Morphology is an interface rather than a separate generative component of the grammar "Morphology has no proprietary categories, but deals only in morphs, understood as pieces of phonological material lexically specified with instructions for their use as exponents of syntactic properties." (Bermudez-Otero and Luis 2016: 311)

This is most relevant in DM's rejection of the morphome, the word, and the paradigm The model of syntax that results from an interface with DM necessarily rejects the Lexicalist Hypothesis

DM today: Suite of operations typically called PF branch operations (such as Local Dislocation, Rebracketing, Impoverishment, Fusion, Fission, Enrichment, and Readiustment). These are properties of the DM-Minimalism interface, rather than of DM itself

Three lists

The syntactic, semantic, and phonological domains of "word" (or morpheme) do not align on the same domain

Three distinct lists, one for each domain:

- The Vocabulary: phonological properties a)
- The Encyclopedia: semantic properties b)
- c) The third (unnamed) list: formal features that populate syntactic structures Elsewhere principle

DM employs a version of the Elsewhere/Paninian Principle, called the Subset Principle, whereby a more specific form outcompetes a more general form

Underspecification

DM accounts for syncretism, polysemy, and distribution via underspecification, whereby a morphological form underdetermines its syntactic and semantic properties

Comparison of L_RFG with standard DM

LRFG assumes an interface with LFG as a model of syntax. Resulting differences: 1. LRFG is a non-derivational, constraint-based model of the grammar

- Conceptually, realizational morphology (such as DM) is akin to harmonic approaches to phonology (such as Optimality Theory)
- Vocabulary Items themselves and the Subset Principle are the well-formedness conditions
- In this way, realizational morphology is inherently non-derivational
- Intuitively, a model that assesses the welformedness of representations is better suited to be interfaced to other models that assess the wellformedness of representations
- 2. LRFG allows for exponence to be subject to dependencies on several different modules · Affixation in LRFG is conditioned by morphsyntactic features, but also semantics and
- phonology

This of course is empirically true of morphology (as has been known):

- See for example the phonological restrictions the comparative -er has on its base
- See for example the semantic restrictions re- requires of its base
- > In contrast, PF in Minimalism is explicitly blind to LF in the Y model, so meaning directly affecting form is excluded in Minimalist DM
 - See for example Root-based approaches to the difference between brothers and brethren or older and elder

Additionally, in Minimalist DM surface phonology is ordered after insertion is complete, so output-sensitive morphology is impossible to obtain absent a DM-OT interface

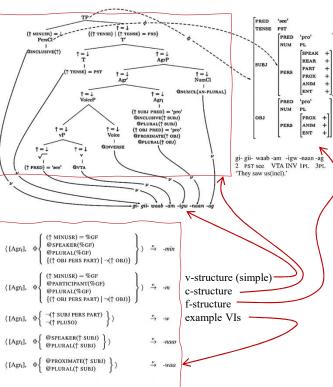
See for example the deadjectivizer -en, which is legal in hasten because of output-sensitive well-formedness (see Halle 1973 for discussion)

Constraints all the way down: DM in a representational model of grammar

Ash Asudeh, University of Rochester Paul B. Melchin, Carleton University Dan Siddigi, Carleton University



Lexical Realizational Functional Grammar: Ojibwe argument agreement



L_RFG as a Daughter of DM

Morpheme-based morphosyntax

L_pFG directly adopts the listeme-based, spanning model of Vocabulary Items developed for DM in Haugen and Siddiqi (2016).

Realization

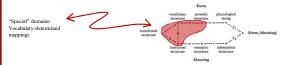
- Exponence in L_PFG is fundamentally Vocabulary Insertion.
- A Vocabulary Item in L_RFG is a more complete representation as it also contains information relevant to prosodic structure constraints.
- Exponence in L_pFG is also more constrained, as it is sensitive to more information: it is conditioned by f-structure and by meaning constructors from Glue Semantics Rather than a non-monotonic/destructive replacement algorithm that discharges features from a derivation, exponence in LRFG is a set of pairwise correspondence functions between representations in v-structure, c-structure, f-structure, and p-structure.

Morphology as an interface

- In L_pFG, v-structure is quintessentially realizational/non-generative.
- The form of v-structure is entirely determined by the satisfaction of constraints on the mappings with other representations
- Morphology is not an output of L_pFG : it is one of many representations described by a given co-description

Three lists

- L_PFG maintains the tripartite division of wordhood that defines DM.
- L_pFG further distinguishes vocabulary atomicity (i.e. spans) and phonological (prosodic) atomicity
- In L_RFG, vocabulary atomicity, phonological atomicity, syntactic atomicity, and semantic atomicity do not necessarily align on the same object. Each corresponds to a different representation in the Correspondence Architecture, as described by co-description.

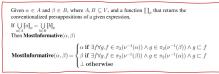


Elsewhere Principle and Underspecification

L_pFG adopts the Subset Principle through two independently motivated subset constraints. MostInformative is conditioned by meaning, and MostSpecific is conditioned by form.

Reasons to adopt L_pFG

Highly formalized: Compare the Subset Principle to its L_RFG counterpart, MostInformative:



Ability to treat a language "on its own terms" within a general model of UG: Our analysis of English employs IP while Ojibwe employs TP and AgrP Our analysis of O'dam employs a flat preverbal complex without sub-constituency

Fully representational, non-derivational, multi-modular, co-descriptive, constraint-based model of the well-formedness of an utterance in human language

If bottom-up derivations aren't your thing or maybe you want a model of morphology that captures all the synchronic and competence pressures on morphological exponence, this version of DM might be for you. Have a look!

References available tinyurl.com/W21AMS

Carleton