

Prague Dependency Treebank vs. Functional Generative Description

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Differences between FGD and PDT

| FGD | PDT |
|--|---|
| tectogrammar/deep syntax | t-layer (tectogrammatical I.) |
| surface syntax | • a-layer (analytical I.) |
| morphematics | m-layer (morphological I.) |
| morphonology | structural layers |
| phonology | w-layer (word layer) |

reasons

- analysis vs. synthesis/generation richer information
- technical reasons (financial, temporal restrictions, implementation)

morphematics (FGD) vs. m-layer (PDT)

- morphemes for individual words are grouped
- grammatical categories ~ morphological tags
- annotated text is divided into sentences

structural layers

- technical root
- connecting constructions for coordination and apposition in PDT

- 1. surface syntax (FGD) vs. a-layer (PDT)
- each token of m-layer is represented by a node (incl. prepositions, auxiliary verbs, punctuation, ...)

(vs. units corresponding to formemes)

- edges for non-dependency relations (other than coordination/apposition)
 - function words (e.g., auxiliary verbs) usually below respective lexical words
 - exception: prepositions, subordinating conjunctions as parents of lexical words

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 - function words (e.g., auxiliary verbs) usually below respective lexical words
 - exception: prepositions, subordinating conjunctions as parents of lexical words
- ellipses: elided words are not restored at a-layer
 - ⇒ a word modifying an elided word as a child of the 'lowest' ancestor

2. deep/tectogram. syntax (FGD) vs. t-layer (PDT)

- core vs. periphery
 - specific constructions (direct speech, comparison)
- edges for non-dependency relations
 - syntactically unclear expressions
 - list structures
 - phrasemes
- info on the (non)realization in the surface sentence (is_generated)

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- info on the (non)realization in the surface sentence (is_generated)
- topic-focus articulation
- coreference
 - relative/ interrogative pronouns, personal pronouns (3rd person)
 - grammatical control, complement