Extensible Dependency Grammar

- descendant of Topological Dependency Grammar (TDG) (Duchier/Debusmann 01)
- arbitrary many dimensions
- extensible principle library
- bi-directional syntax-semantics interface (Debusmann et al. 2004)
- comprehensive grammar development kit including solver for parsing and generation

Example: Dimensions

ID

LP

PA

Example: Principles

- one-dimensional
  - tree (ID, LP)
  - valency (ID, LP, PA)
  - government (ID)
  - agreement (ID)
  - order (LP)
  - projectivity (LP)

- multi-dimensional
  - climbing (LP/ID)
  - linking (LP/ID, ID/PA)

Meta Grammar Formalism

- XDG is a meta grammar formalism
- easy to define new instances
- other grammar formalisms can be embedded:
  - TDG (Duchier/Debusmann 2001)
  - CTL (Moortgat 1997): Kuhlmann 2002
  - TIG (Schabes/Waters 93)
  - TAG (Joshi 1987): (Debusmann et al. 2004)

Grammar Development Kit

http://www.ps.uni-sb.de/~rade/mogul/publish/doc/debusmann--xdk/