Head-Driven Phrase Structure Grammar

The handbook

Edited by

Stefan Müller

Anne Abeillé

Robert D. Borsley

Jean-Pierre Koenig

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language science press

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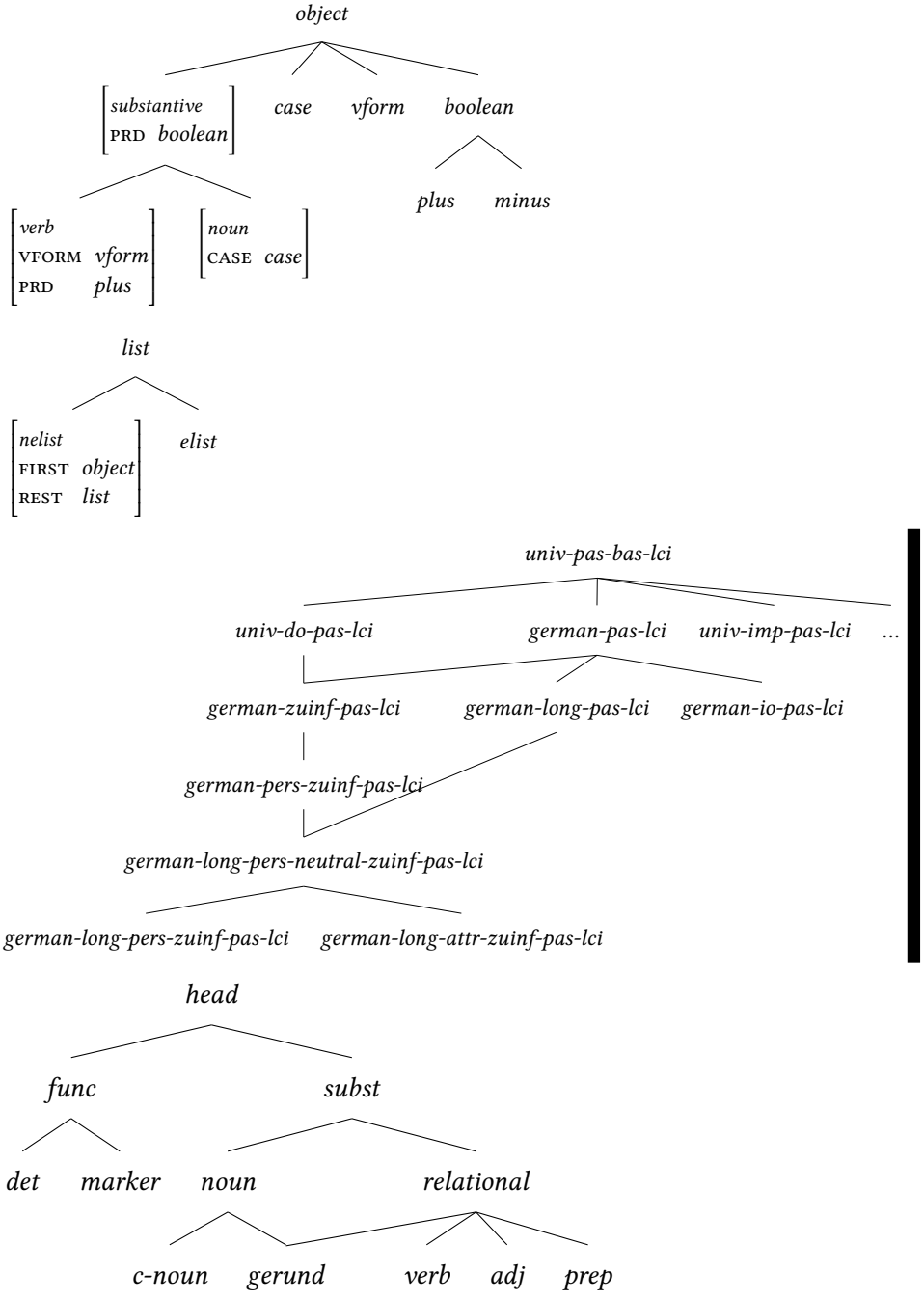
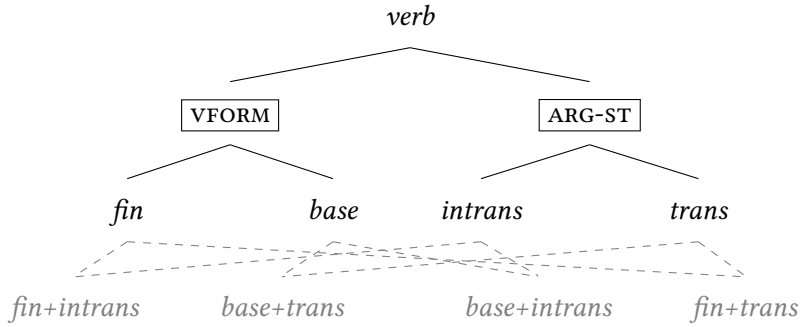
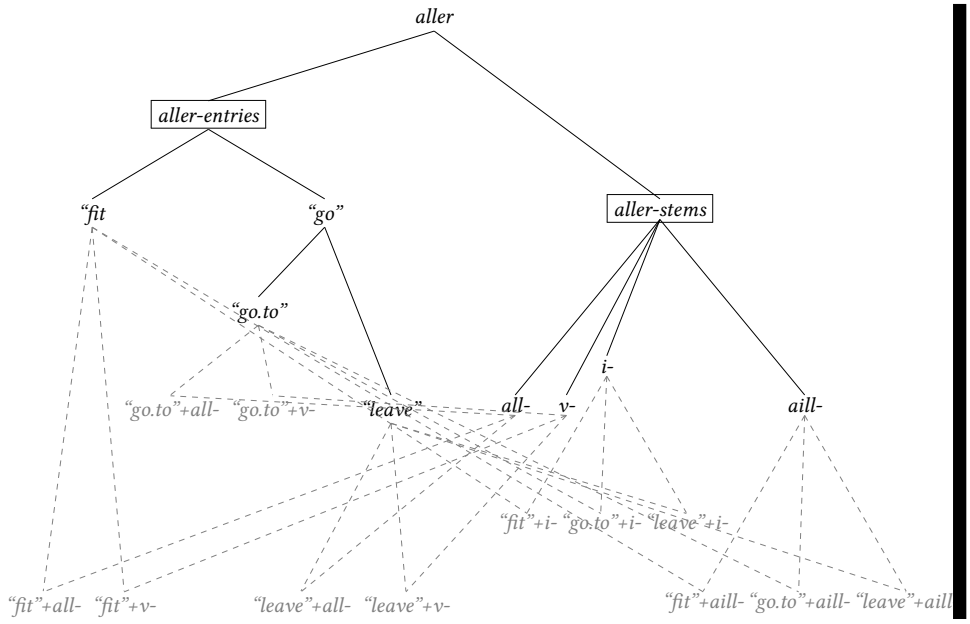
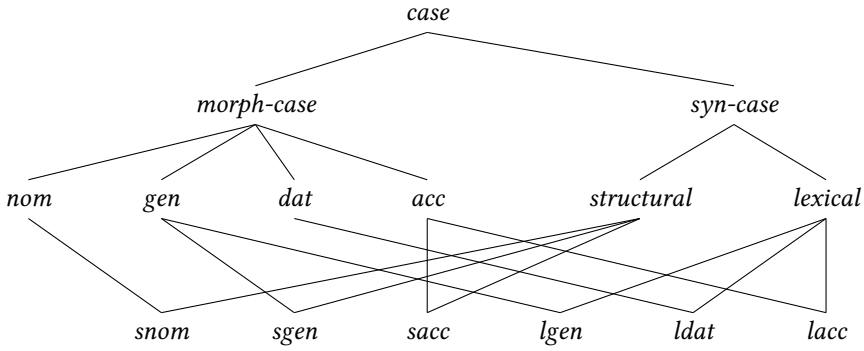
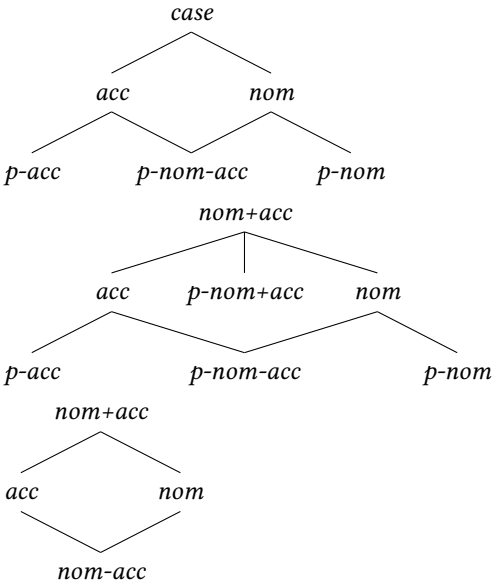
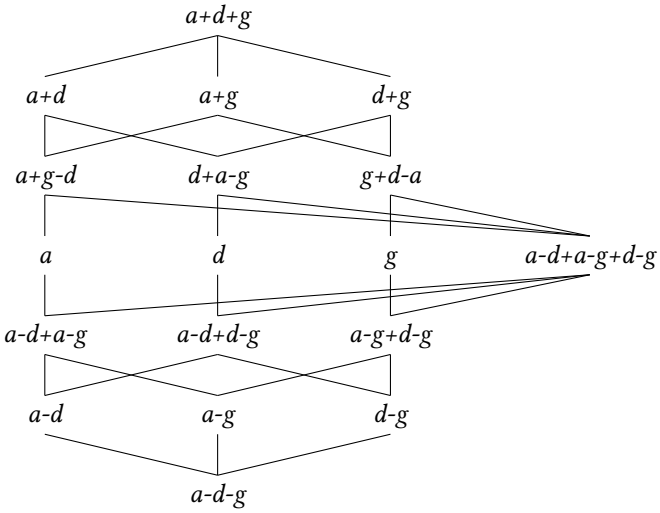

object
substantive
PRD boolean
case
vform
boolean
plus
minus
verb
VFORM vform
PRD plus
noun
CASE case
list
nelist
FIRST object
REST list
elist
univ-pas-bas-lci
univ-do-pas-lci
german-pas-lci
univ-imp-pas-lci
...
german-zuinf-pas-lci
german-long-pas-lci
german-io-pas-lci
german-pers-zuinf-pas-lci
german-long-pers-neutral-zuinf-pas-lci
german-long-pers-zuinf-pas-lci
german-long-attr-zuinf-pas-lci
head
func
subst
det
marker
noun
relational
c-noun
gerund
verb
adj
prep


verb
VFORM
ARG-ST
fin
base
intrans
trans
fin+intrans
base+trans
base+intrans
fin+trans


aller
aller-entries
aller-stems
"fit
"go"
"go.to"
i-
"go.to"+all-
"go.to"+v-
"leave"
all-
v-
aill-
"fit"+i-
"go.to"+i-
"leave"+i-
"fit"+all-
"fit"+v-
"leave"+all-
"leave"+v-
"fit"+aill-
"go.to"+aill-
"leave"+aill


case
morph-case
syn-case
nom
gen
dat
acc
structural
lexical
snom
sgen
sacc
lgen
ldat
lacc


case
acc
nom
p-acc
p-nom-acc
p-nom
nom+acc
acc
p-nom+acc
nom
p-acc
p-nom-acc
p-nom
nom+acc
acc
nom
nom-acc


a+d+g
a+d
a+g
d+g
a+g-d
d+a-g
g+d-a
a
d
g
a-d+a-g+d-g
a-d+a-g
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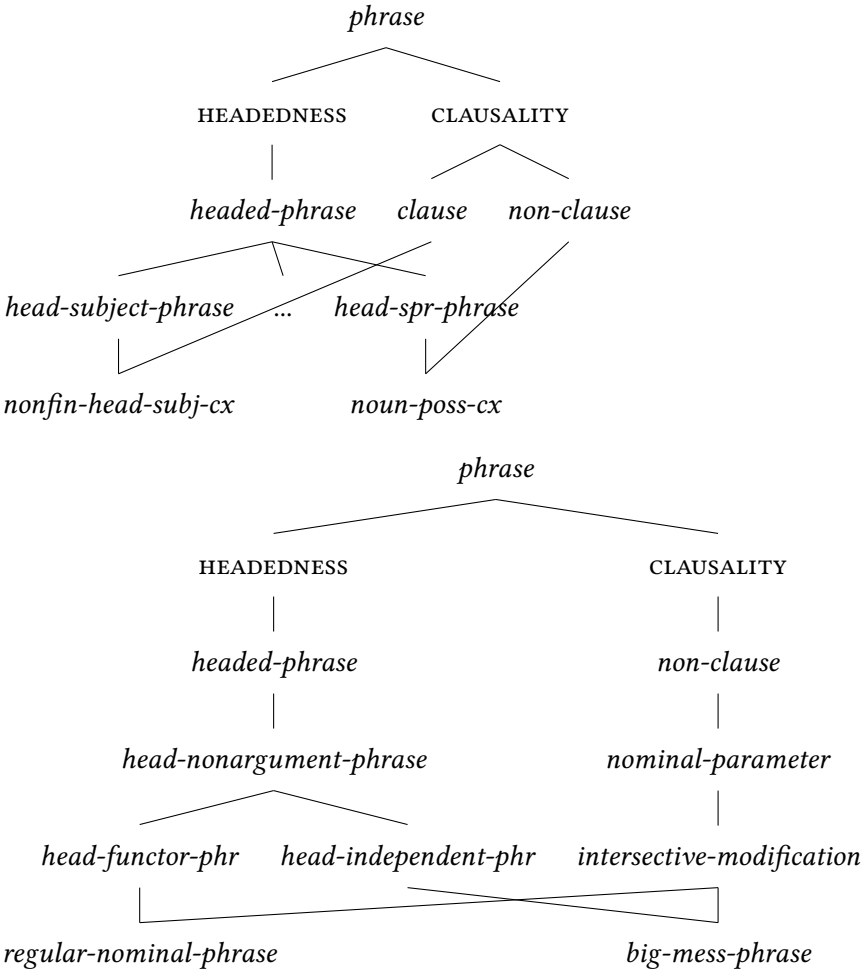
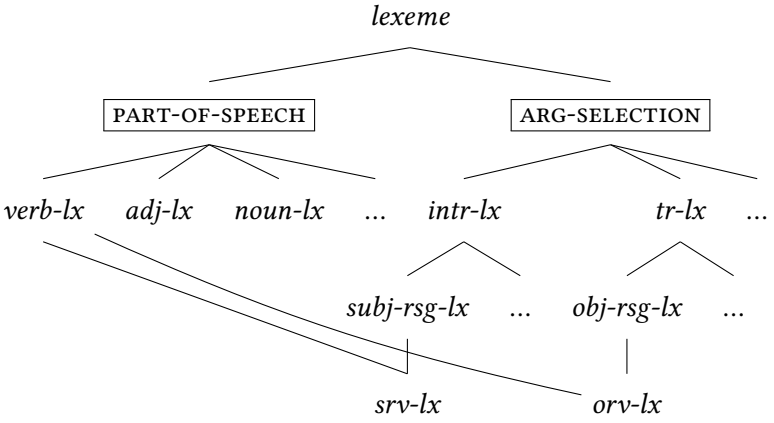
a-g+d-g
a-d
a-g
d-g
a-d-g


phrase
HEADEDNESS
CLAUSALITY
headed-phrase
clause
non-clause
head-subject-phrase
...
head-spr-phrase
nonfin-head-subj-cx
noun-poss-cx
phrase
HEADEDNESS
CLAUSALITY
headed-phrase
non-clause
head-nonargument-phrase
nominal-parameter
head-functor-phr
head-independent-phr
intersective-modification
regular-nominal-phrase
big-mess-phrase



head-filler-ph *interr-cl* *rel-cl* *decl-cl*

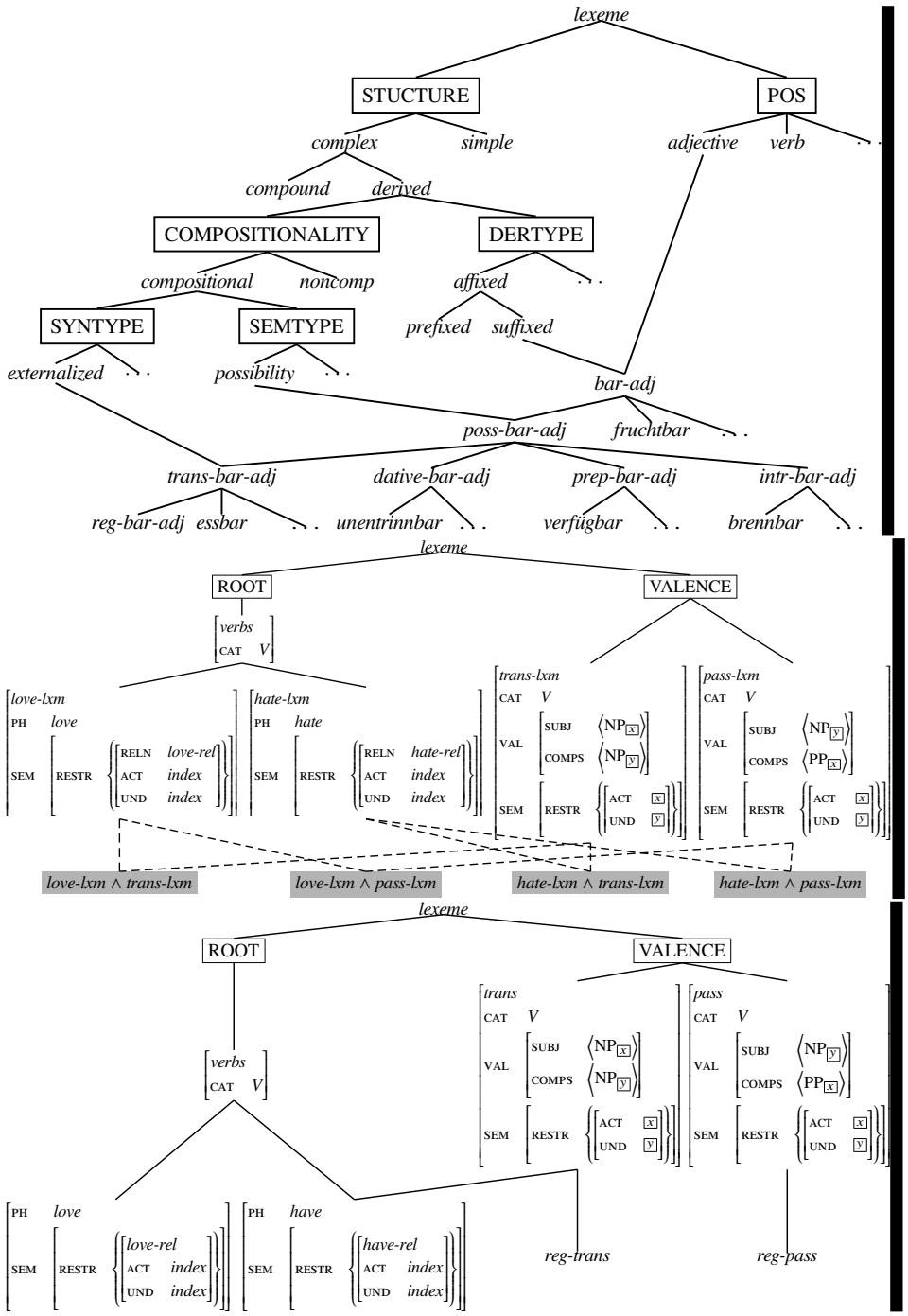
wh-interr-cl *wh-rel-cl* *top-cl* *the-cl*

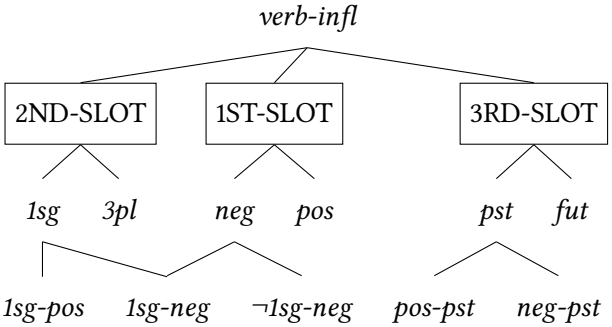
head-filler-ph *interr-cl* *rel-cl* *decl-cl*

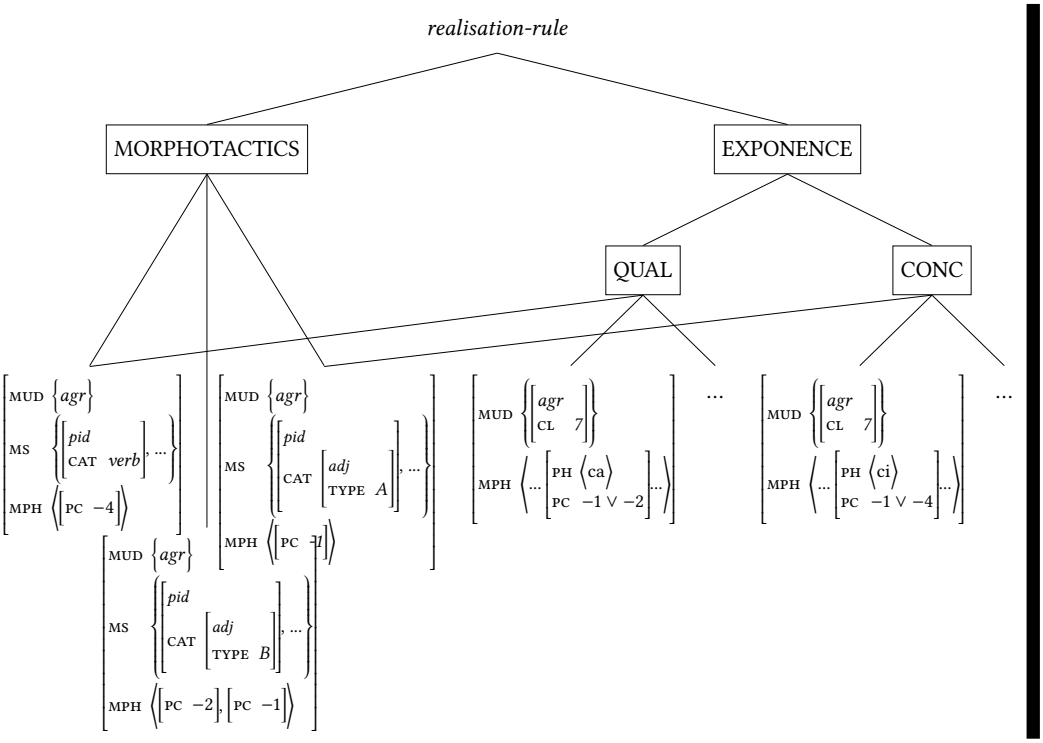
standard-head-fill-ph

wh-interr-cl *wh-rel-cl* *top-cl* *the-cl*

fin-wh-rel-cl *inf-wh-rel-cl*

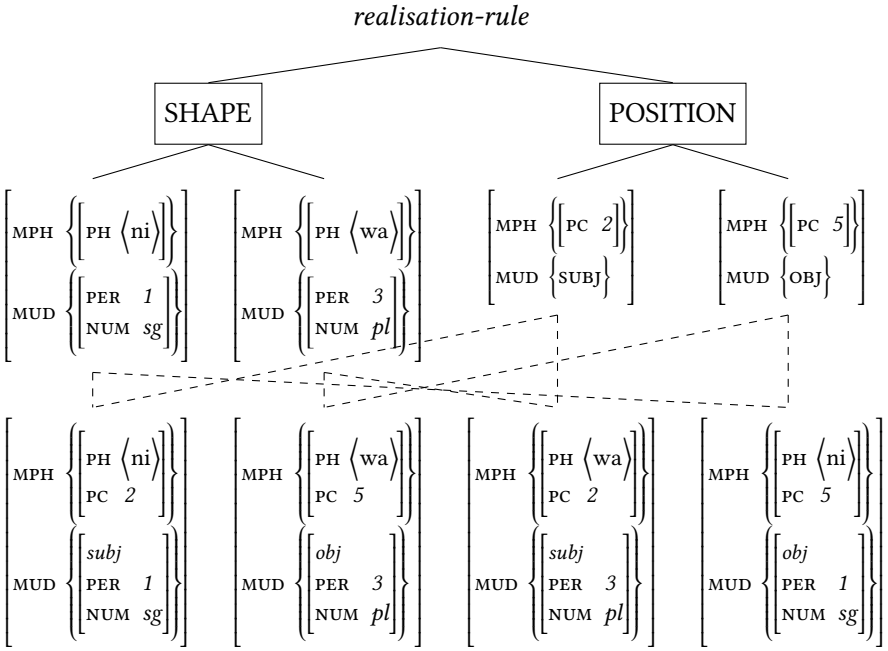

lexeme
STUCTURE
POS
complex
simple
adjective
verb
compound
derived
COMPOSITIONALITY
DERTYPE
compositional
noncomp
affixed
SYNTYPE
SEMTYPE
prefixed
suffixed
externalized
possibility
bar-adj
poss-bar-adj
fruchtbar
trans-bar-adj
dative-bar-adj
prep-bar-adj
intr-bar-adj
reg-bar-adj
essbar
unentrinnbar
verfügbar
brennbar
lexeme
ROOT
VALENCE
verbs
CAT V
love-lxm
PH love
SEM
RESTR
RELN love-rel
ACT index
UND index
hate-lxm
PH hate
RELN hate-rel
trans-lxm
CAT V
VAL
SUBJ ⟨NP[x]⟩
COMPS ⟨NP[y]⟩
SEM RESTR ACT x UND y
pass-lxm
COMPS ⟨PP[x]⟩
love-lxm ∧ trans-lxm
love-lxm ∧ pass-lxm
hate-lxm ∧ trans-lxm
hate-lxm ∧ pass-lxm
lexeme
ROOT
VALENCE
verbs
CAT V
trans
CAT V
VAL
SUBJ ⟨NP[x]⟩
COMPS ⟨NP[y]⟩
SEM RESTR ACT x UND y
pass
COMPS ⟨PP[x]⟩
PH love
SEM
RESTR
love-rel
ACT index
UND index
PH have
have-rel
reg-trans
reg-pass





BEAK GEN PL

nokk -a -de


realisation-rule
SHAPE
POSITION
MPH
PH
ni
MUD
PER
1
NUM
sg
MPH
PH
wa
MUD
PER
3
NUM
pl
MPH
PC
2
MUD
SUBJ
MPH
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MUD
OBJ
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NUM
pl
MPH
PH
wa
PC
2
MUD
subj
PER
3
NUM
pl
MPH
PH
ni
PC
5
MUD
obj
PER
1
NUM
sg

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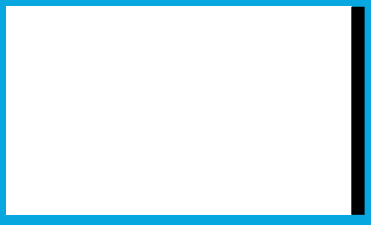
Head-Driven Phrase Structure Grammar

Head-Driven Phrase Structure Grammar (HPSG) is a linguistic framework that models linguistic knowledge on all descriptive levels (phonology, morphology, syntax, semantics, pragmatics) by using feature value pairs, structure sharing, and relational constraints. This volume summarizes work that has been done since the mid 80s. Various chapters discus formal foundations and basic assumptions, describe the evolution of the framework and go into the details of various syntactic phenomena. Separate chapters are devoted to non-syntactic levels of description. The book also handles related fields and research areas (gesture, sign languages, computational linguistics) and has a part in which HPSG is compared to other frameworks (Lexical Functional Grammar, Categorial Grammar, Construction Grammar, Dependency Grammar and Minimalim).