Intonation in Spoken Language Generation

Intonation
in
Spoken Language Generation

Een wetenschappelijke proeve op het gebied van de Letteren

Proefschrift

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door

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Contents

List of Abbreviations

A,AP	the syntactic categories Adjective and Adjective Phrase (p. 44)
σ	the prosodic category Syllable (p. 18)
Σ	the prosodic category Foot (p. 18)
ω	the prosodic category Prosodic Word (p. 18)
φ	the prosodic category Phonological Phrase (p. 18)
π	the prosodic category Intonational Phrase (p. 18)
AD	Association Domain (p. 23)
Adv,AdvP	the syntactic categories Adverb and Adverb Phrase (p. 44)
AGFL	Affix Grammars over Finite Lattices; a type of attribute grammar (p. 174)
APS	Abstract Phrase Specification (p. 142)
Aux	the syntactic category Auxiliary verb (p. 44)
Base	the base component of SynR (p. 172)
C	the syntactic category Complementizer (p. 44)
$\mathcal{CAS}$	the intonational phrasing algorithm by Caspers (p. 96)
CONPAS	CONtent to Prosodically Adequate Speech; the reusable content-to-speech module of our SLG system (p. 137)
Det	the syntactic category Determiner (p. 44)
F_0	Fundamental frequency (p. 2)
Flex	the inflection component of SynR (p. 172)
GRAMTSY	*GRAMmaticaal Transformationeel Systeem* 'Grammatical Transformational System' (p. 182)

$\mathcal{GUS}$	the intonational phrasing algorithm by Gussenhoven (p. 100)
H	high tone (p. 21)
%H	initial high boundary tone (p. 23)
H%	final high boundary tone (p. 23)
H*L	High-Low pitch accent (p. 22)
H*LH	High-Low-High pitch accent (p. 22)
KUNTTS	the TTS system for Dutch developed at the University of Nijmegen (p. 157)
L	low tone (p. 21)
%L	initial low boundary tone (p. 23)
L%	final low boundary tone (p. 23)
L*H	Low-High pitch accent (p. 22)
LRR	Lexical Rhythm Rule (p. 223)
MBROLA	MultiBand Resynthesis OverLap-Add; a diphone speech synthesis system (p. 167)
N,NP	the syntactic categories Noun and Noun Phrase (p. 44)
$\mathcal{NEW}$	the intonational phrasing algorithm for Dutch proposed in the current work (p. 112)
NLG	Natural Language Generation (p. 9)
NR	the text material consisting of Numbers (p. 245)
Num,NumP	the syntactic categories Numeral and Numeral Phrase (p. 44)
$\mathcal{N}\&\mathcal{V}$	the intonational phrasing algorithm by Nespor & Vogel (p. 87)
P,PP	the syntactic category Preposition and Prepositional Phrase (p. 44)
PlanR	the text planner of our SLG system (p. 137)
ProsR	the prosodic realization module of our SLG system (p. 157)
PTD	Public Transport Domain; the application domain involving travel descriptions (p. 139)
PTDGen	the SLG system for the public transport domain (p. 139)

PTDPlanR	the text planner of our SLG system for the public transport domain (p. 144)
Q	the syntactic category Quantifier (p. 44)
RR	Rhythm Rule (p. 41)
S	the syntactic category Sentence (p. 43)
SAAR	Sentence Accent Assignment Rule (p. 41)
SLG	Spoken Language Generation (p. 9)
SLH	Strict Layer Hypothesis (p. 19)
SpeechS	the speech synthesis module of our SLG system (p. 157)
SS	Speech Synthesis (p. 133)
SynR	the syntactic realization module of our SLG system (p. 153)
TD	the text material consisting of Travel Descriptions (p. 245)
Trans	the transformational component of SynR (p. 172)
U	the prosodic category Utterance (p. 18)
URR	Unit Rhythm Rule (p. 228)
V, VP	the syntactic categories Verb and Verb Phrase (p. 43)
WFD	Wild Flower Domain; the application domain involving botanical descriptions of wild flowers (p. 139)
WFDGen	the SLG system for the wild flower domain (p. 139)
WFDPlanR	the text planner of our SLG system for the wild flower domain (p. 149)

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