

Comprehensive Presentation - Visual Recognition - December 16th 2016

25

Dual Route Cascaded Model

WUOQEI

Grapheme-Phoneme Rule System

Letter units

Visual Features units

Orthographic Input Lexicon

Phonological Output Lexicon

CHART

print)

Phoneme System

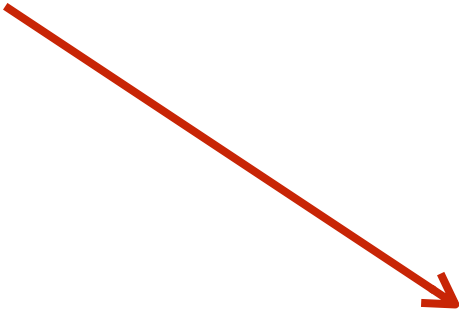
stet

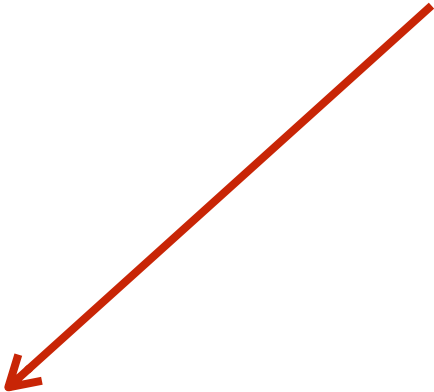
(speech)

Semantic
system









CHAT

CH \rightarrow /tʃ/

A \rightarrow /a/

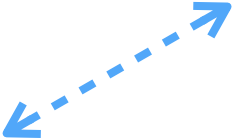
T \rightarrow /t/

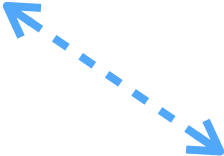
/tʃat/















NON-LEXICAL ROUTE



LEXICAL ROUTE

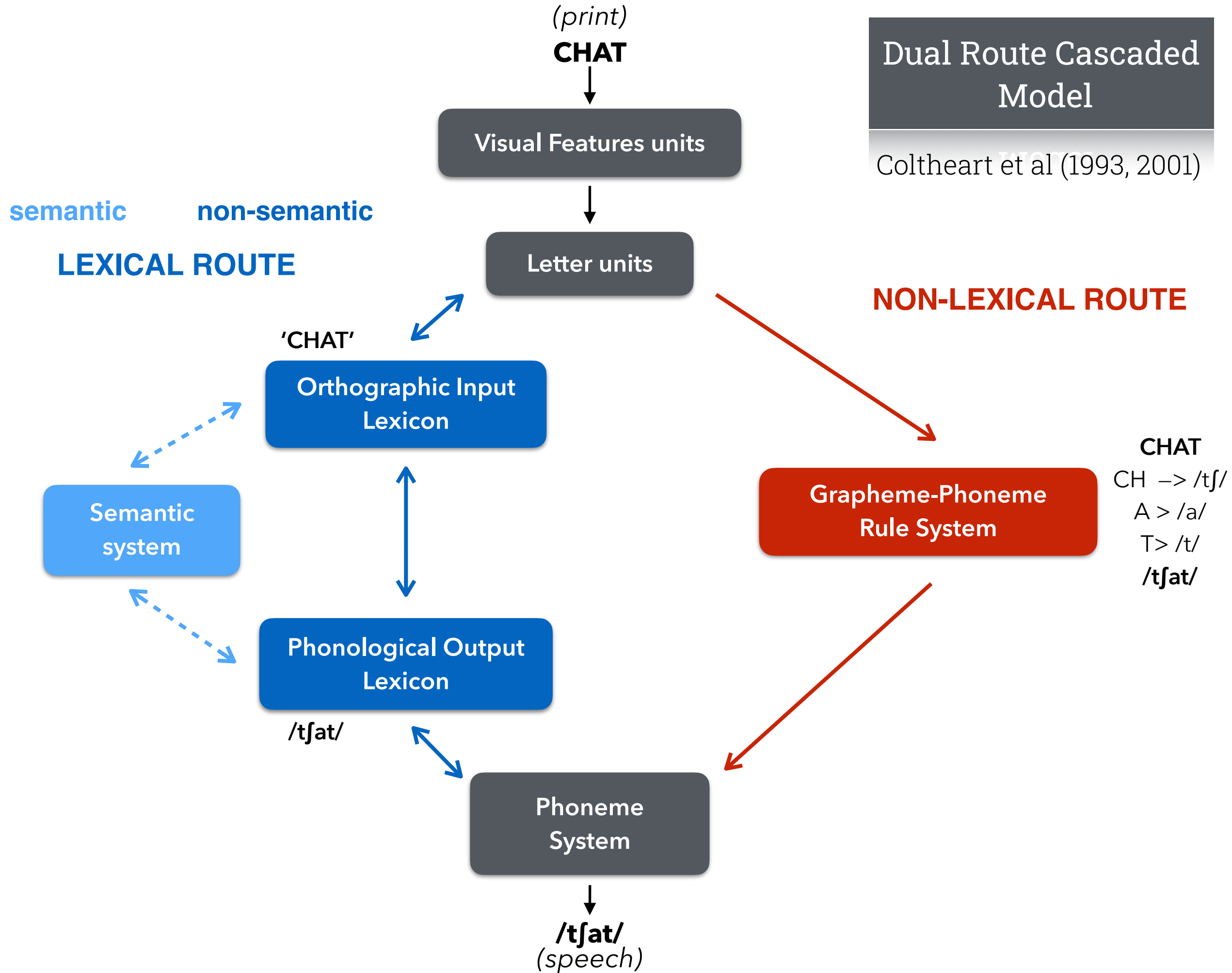
non-sensanti

semantic

coltheart et al (1993, 2001)

stata

CHART



Two routes different and independent processing mechanisms

Lexical route

parallel & activation spreading

Non-Lexical route

serial & symbolic

