Computational Models of Lexical Access Lecture 7 - Part II Introduction to Psycholinguistics

> Matthew W. Crocker Pia Knoeferle

Department of Computational Linguistics Saarland University



Search models (e.g., Forster, 1976) - serial comparison

• Similar to looking up a word in the dictionary

Direct Access models - parallel comparison

- Logogen Model (Morton, 1969), not domain specific
- Cohort Model (Marlsen-Wilson & Welsh, 1978), speech
- TRACE (McClelland and Elman, 1986), speech
- Shortlist/Merge (Norris, 1994), speech
- NAM (Neighborhood activation model; Luce, 1998)
- FLMP (Fuzzy logical model of perception; Massaro, 1998)

© Matthew W. Crocker

















































