

1. Record Nr.	UNINA9910462171403321
Autore	Knott Alistair <1967->
Titolo	Sensorimotor cognition and natural language syntax [[electronic resource] /] / Alistair Knott
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, c2012
ISBN	1-283-70752-7 0-262-30542-9
Descrizione fisica	1 online resource (405 p.)
Disciplina	401/.9
Soggetti	Grammar, Comparative and general - Syntax Cognitive grammar Sensorimotor integration Minimalist theory (Linguistics) Psycholinguistics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [351]-387) and index.
Nota di contenuto	Contents; Preface; 1 Introduction; 1.1 The Shared Mechanisms Hypothesis; 1.2 An Overview of the Argument of the Book; 1.3 Some Objections; 1.4 Structure of the Book; 1.5 How to Read the Book; 2 Sensorimotor Processing during the Execution and Perception of Reach-to-Grasp Actions; 2.1 The Early Visual System; 2.2 The Object Classification Pathway; 2.3 The Posterior Parietal Cortex; 2.4 Vision for Attentional Selection; 2.5 Vision for Action; 2.6 Planning Higher-Level Actions; 2.7 The Action Recognition Pathway; 2.8 Distinctions between Executed and Observed Actions 2.9 Summary: The Pathways Involved in Perception and Execution of Reach-to-Grasp Actions 2.10 The Order of Sensorimotor Events during the Execution and Perception of Reach Actions; 2.11 Summary; 3 Models of Learning and Memory for Sensorimotor Sequences; 3.1 Baddeley's Model of Working Memory; 3.2 Working Memory Representations of Action Sequences in PFC; 3.3 Competition between PFC Plan Assemblies; 3.4 PFC Plan Activation during Action Recognition; 3.5 Replaying PFC Plans; 3.6 Episodic Memory and the Hippocampal

System; 3.7 Hippocampal Episode Representations as Sequences
3.8 Cortical Mechanisms for Encoding and Retrieval of Episodic
Memories3.9 Summary; 3.10 An Assessment of the Sensorimotor
Model; 4 A Syntactic Framework: Minimalism; 4.1 What Is a Syntactic
Analysis?; 4.2 Phonetic Form and Logical Form; 4.3 X-Bar Theory; 4.4
The Structure of a Transitive Clause at LF; 4.5 The IP Projection; 4.6
DP-Movement and Case Assignment; 4.7 The VP-Internal Subject
Hypothesis; 4.8 The AgrP Projection; 4.9 Summary; 5 The Relationship
between Syntax and Sensorimotor Structure; 5.1 Summary of the
Sensorimotor Model
5.2 Sensorimotor Interpretation of the LF of ""The man grabbed a cup""
5.3 A Sensorimotor Characterization of the X-Bar Schema; 5.4
Sensorimotor Interpretation of the LF of ""The man grabbed a cup""; 5.5
The Role of LF Revisited; 5.6 Predictions of the Sensorimotor Account of
LF; 5.7 Summary; 6 Linguistic Representations in the Brain; 6.1 Neural
Substrates of Language; 6.2 The Basic Stages of Language
Development; 7 A New Computational Model of Language Development
and Language Processing; 7.1 Learning Single-Word Meanings and the
Concept of a Communicative Action
7.2 Learning to Generate Syntactically Structured Utterances7.3
Summary and Some Interim Conclusions; 8 Summary, Comparisons,
and Conclusions; 8.1 A Summary of the Proposals in This Book; 8.2
Comparison with Other Embodied Models of Language and Cognition;
8.3 The Nativist-Empiricist Debate about Language; Notes; References;
Index

Sommario/riassunto

A proposal that the syntactic structure of a sentence reporting a
concrete episode in the world can be interpreted as a description of the
sensorimotor processes involved in experiencing that episode.
