

## Grammars Of Space

CiTYMaker presents a method and a set of tools to generate alternative solutions for an urban context. The method proposes the use of a combined set of design patterns encoding typical design moves used by urban designers. The combination of patterns generates different layouts which can be adjusted by manipulating several parameters in relation to updated urban indicators. The patterns were developed from observation of typical urban design procedures, first encoded as discursive grammars and later translated into parametric design patterns. The CiTYMaker method and tools allows the designer to compose a design solution from a set of programmatic premises and fine-tune it by pulling parameters whilst checking the changes in urban indicators. These tools improve the designer's awareness of the consequences of their design moves. Both a primer on visual language and a visual dictionary of the fundamental aspects of graphic design, this text deals

with every imaginable visual concept, making it an indispensable reference for beginners and seasoned visual thinkers alike.

This volume presents new research by the Topoi group "The Conception of Spaces in Language" on the expression of spatial relations in ancient languages. The six articles in this volume discuss static and dynamic aspects of the spatial grammars of Ancient to Medieval Greek, Akkadian, Hittite, and Hieroglyphic Ancient Egyptian, as well as field data on eight modern languages (Arabic, Hebrew, English, German, Russian, French, Italian, and Spanish). Among the grams discussed are spatial particles, motion verbs, case and, most prominently, spatial prepositions. All ancient language data are fully explained in linguistic word-by-word glosses and are therefore accessible to scholars who are not themselves experts on the respective languages. Taken together, these contributions extend the scope of research on spatial grammar back to the third millennium BCE.

A cross-linguistic study of grammatical morphemes expressing

spatial relationships that discusses the relationship between the way human beings experience space and the way it is encoded grammatically in language. The discussion of the similarities and differences among languages in the encoding and expression of spatial relations centers around the emergence and evolution of spatial grams, and the semantic and morphosyntactic characteristics of two types of spatial grams. The author bases her observations on the study of data from 26 genetically unrelated and randomly selected languages. It is shown that languages are similar in the way spatial grams emerge and evolve, and also in the way specific types of spatial grams are used to express not only spatial but also temporal and other non-spatial relations. Motivation for these similarities may lie in the way we, as human beings, experience the world, which is constrained by our physical configuration and neurophysiological apparatus, as well as our individual cultures. The research and development of multi-dimensional pattern recognition, scene analysis, computer vision and image

processing have progressed very rapidly in recent years. Among various models employed for pattern representation and analysis, the array grammar has attracted more and more attention because it has several advantages over others. This special volume, perhaps the first time ever in the literature, is a collection of 14 papers by prominent professionals and experts, aimed at promoting array grammars, patterns and recognizers. They are grouped in the following categories: (1) Array grammars and pattern generation, (2) Array pattern recognizers, (3) Coordinate grammars and L-systems, and (4) Hexagonal grids, tilings and encryption.

On Understanding Grammar covers the interdependencies among the various aspects of linguistics and the human language. This eight-chapter text considers some pertinent topics in linguistics, such as discourse-pragmatics, diachronic syntax, topology, creology, method, and ontology. Chapter 1 describes the notions of fact, theory, and explanation, particularly about how these notions manifest themselves in

actual practice. Chapter 2 redefines syntax in terms of communicative function and discourse-pragmatics, and about the relation between the function of grammatical devices and their formal properties. Chapter 3 deals with discourse-pragmatics and how it transcends the narrow bounds of deductive logic, as well as the function and ontology of negation in language, and how those relate to the fundamental information-theoretic principle of figure versus ground. Chapter 4 explores the two major aspects of case systems, namely, the semantic role and pragmatic function, and how the two interact in determining the typological characteristics of grammars. Chapter 5 examines the relation between discourse and syntax based on diachronic, ontogenetic, phylogenetic viewpoints. Chapter 6 tackles the relation between synchronic grammar and diachronic change, while Chapter 7 describes the relationship between human language and its phylogenetic evolution. Chapter 8 is about language and ontology, as well as the relation between cognition and the universe. This book will prove useful to

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linguistics and language researchers.

This volume investigates the inherent spatiality of human existence and how it affects human behaviour, ideology, identity, and orientation from different perspectives

[A Design Handbook \(Visual Design Book for Designers, Book on Visual Communication\)](#)

[Constructions of Space V](#)

[Temporal Adverbials in the World's Languages](#)

[Learning Paths and Ambiguous Evidence in the Acquisition of Syntax](#)

[Designing Grammars for Urban Design](#)

[Finite Automata, Their Algebras and Grammars](#)

[Grammar in Use Across Time and Space](#)

[An Easy-to-Use Guide with Clear Rules, Real-World Examples, and Reproducible Quizzes](#)

[Grammars of Space](#)

[The Acquisition of German Syntax by Foreign Workers](#)

[Explorations in Cognitive Diversity](#)

[Linguistic Diversity in Space and Time](#)

***In Grammars of Approach, Cynthia Wall offers a close look at changes in perspective in spatial design, language, and narrative across the late eighteenth and early nineteenth centuries that involve, literally and psychologically, the concept of “approach.” In architecture, the term “approach” changed in that period from a verb to a noun, coming to denote the drive from the lodge at the entrance of an estate “through the most interesting part of the grounds,” as landscape designer Humphrey Repton put it. The shift from the long straight avenue to the winding approach, Wall shows, swung the perceptual balance away from the great house onto the personal experience of the visitor. At the same time, the grammatical and typographical landscape was shifting in tandem, away from objects and Things (and capitalized common Nouns) to the spaces in between, like punctuation and the “lesser parts of speech”. The implications for narrative included new patterns of syntactical architecture and the phenomenon of free indirect discourse. Wall examines the work of landscape theorists such as Repton, John Claudius Loudon,***

*and Thomas Whately alongside travel narratives, topographical views, printers' manuals, dictionaries, encyclopedias, grammars, and the novels of Defoe, Richardson, Burney, Radcliffe, and Austen to reveal a new landscaping across disciplines—new grammars of approach in ways of perceiving and representing the world in both word and image.*

*Vyvyan Evans focuses on the linguistic and conceptual resources we make use of when we fix events in time.*

*Variation in Time and Space: Observing the World through Corpora is a collection of articles that address the theme of linguistic variation in English in its broadest sense. Current research in English language presented in the book explores a fascinating number of topics, whose unifying element is the corpus linguistic methodology. Part I of this volume, Meaning in Time and Space, introduces the two dimensions of variation - time and space - relating them to the negotiation of meaning in discourse and questions of intertextuality. Part II, Variation in Time, approaches the English language from a diachronic point of view; the time periods covered vary considerably, ranging*

***from 16th century up to present-day; so do the genres explored. Part III, Variation in Space, focuses on global varieties of English and includes a contrastive point of view. The range of topics is again broad - from specific lexico-grammatical structures to the variation in academic English, combining the regional and genre dimensions of variation. This is a timely volume that shows the breadth and depth in current corpus-based research of English.***

***Researchers in critical discourse analysis (CDA) have often pointed to grammar as a locus of ideology in discourse. This book illustrates the role that grammars as models of language (and image) can play in revealing ideological properties of texts and discourse in social and political contexts. The book takes the reader through three distinct grammatical frameworks - functional grammar, multimodal grammar and cognitive grammar. Using examples taken from a range of discourses relating to globalisation, including discourses of immigration, war, corporate practice and political protests, the book demonstrates the individual utility and the interconnectedness***

***of these models inside CDA. A key argument advanced is that the cognitive processes necessarily involved in making sense of language are based in visual experience. This position offers new ways of understanding the ideological effects of grammatical choices in texts and suggests a reassessment of the relationship between linguistic and multimodal grammars in CDA. The book will appeal to students and researchers interested in CDA and the relationship between discourse, cognition and social action.***

***Linguistic relativity is the claim that culture, through language, affects the way in which we think, and especially our classification of the experienced world. This book reexamines ideas about linguistic relativity in the light of new evidence and changes in theoretical climate. The editors have provided a substantial introduction that summarizes changes in thinking about the Sapir-Whorf hypothesis in the light of developments in anthropology, linguistics and cognitive science. Introductions to each section will be of especial use to students.***

***Spatial language - that is, the way languages structure the spatial domain - is an important area of research, offering insights into one of the most central areas of human cognition. In this collection, a team of leading scholars review the spatial domain across a wide variety of languages. Contrary to existing assumptions, they show that there is great variation in the way space is conceptually structured across languages, thus substantiating the controversial question of how far the foundations of human cognition are innate. Grammars of Space is a supplement to the psychological information provided in its companion volume, Space in Language and Cognition. It represents a new kind of work in linguistics, 'Semantic Typology', which asks what are the semantic parameters used to structure particular semantic fields. Comprehensive and informative, it will be essential reading for those working on comparative linguistics, spatial cognition, and the interface between them.***

***Bringing together sign language linguistics and the semantics-pragmatics interface, this book focuses on the use of signing***

***space in Catalan Sign Language (LSC). On the basis of small-scale corpus data, it provides an exhaustive description of referential devices dependent on space. The book provides insight into the study of meaning in the visual-spatial modality and into our understanding of the discourse behavior of spatial locations.***

**[Language and Space](#)**

**[Visual Grammar](#)**

**[Grammar of the Shot](#)**

**[Cognitive English Grammar](#)**

**[The Blue Book of Grammar and Punctuation](#)**

**[On Ancient Grammars of Space. Introduction](#)**

**[Originating in the Gifford Lectures for 1990](#)**

**[Place, Space and Identity in the Ancient Mediterranean World](#)**

**[Space-restricted attribute grammars](#)**

**[Space in Diachrony](#)**

**[Voxel-space Shape Grammars](#)**

**[Discourse, Grammar and Ideology](#)**

The articles assembled in *Semblance and Signification* explore linguistic and

literary structures from a range of theoretical perspectives with a view to understanding the extent, prevalence, productivity, and limitations of iconically grounded forms of semiosis. With the complementary examination of large theoretical issues, extensive corpus analysis in several modern languages such as Italian, Japanese Sign Language, and English, and applied close studies across a range of artistic media, this volume brings a fresh understanding of the cognitive underpinnings of iconicity. If primary and secondary modelling systems are rarely studied in tandem, it is clear from this volume that their fruitful juxtaposition yields striking insight into the cognitive concerns that pervade current semiotic research.

Space is a fundamental dimension of human life and is pervasive in human experience. Research on space has highlighted the possible asymmetrical nature of spatial relations. Differences in the encoding of goals and sources of motion are a case in point, and cross-linguistic coding tendencies show that path is less frequently flagged by a dedicated case than goal, source/origin, and (static) location (locative). Interestingly, such asymmetries may correlate with certain types of landmark, as in the case of toponyms or of animate entities. Even though these issues have been focused upon both in typological and psycholinguistic research, they remain largely open. The papers in this collection aim to show that a diachronic approach may shed light on the way in which

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asymmetries in the space domain come about over time, thus contributing to the clarification of synchronically puzzling facts.

This book develops a minimalist approach to cross-linguistic morphosyntactic variation. Ian Roberts argues that the essential insight of the principles-and-parameters approach to variation can be maintained - albeit in a somewhat different guise - in the context of the minimalist program for linguistic theory. The central idea is to organize the parameters of Universal Grammar (UG) into hierarchies that define the ways in which properties of individually variant categories and features may act in concert. A further leading idea, which is consistent with the overall goal of the minimalist programme to reduce the content of UG, is that the parameter hierarchies are not directly determined by UG, and are instead emergent properties stemming from the interaction of the three factors in language design. Cross-linguistic variation in word order, null subjects, incorporation, verb-movement, case/alignment, wh-movement, and negation are all analyzed in the light of this approach. This book represents a significant new contribution to the formal study of cross-linguistic morphosyntactic variation on both the empirical and theoretical levels, and will appeal to researchers and students in all areas of theoretical linguistics and comparative syntax.

This volume is the first book-length presentation of the grammatical category of

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Associated Motion. It provides a framework for understanding a grammatical phenomenon which, though present in many languages, has gone unrecognized until recently. Previously known primarily from languages of Australia and South America, grammatical AM marking has now been identified in languages from most parts of the world (except Europe) and is becoming an important topic in linguistic typology. The chapters provide a thorough introduction to the subject, discussion of the relation between AM and related grammatical concepts, detailed descriptions of AM in a wide range of the world's languages, and surveys of AM in particular language families and areas.

Spatial language - that is, the way languages structure the spatial domain - is an important area of research, offering insights into one of the most central areas of human cognition. In this collection, a team of leading scholars review the spatial domain across a wide variety of languages. Contrary to existing assumptions, they show that there is great variation in the way space is conceptually structured across languages, thus substantiating the controversial question of how far the foundations of human cognition are innate. Grammars of Space is a supplement to the psychological information provided in its companion volume, *Space in Language and Cognition*. It represents a new kind of work in linguistics, 'Semantic Typology', which asks what are the semantic parameters used to structure particular semantic fields. Comprehensive and informative, it will be

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essential reading for those working on comparative linguistics, spatial cognition, and the interface between them.

Cognitive English Grammar is designed to be used as a textbook in courses of English and general linguistics. It introduces the reader to cognitive linguistic theory and shows that Cognitive Grammar helps us to gain a better understanding of the grammar of English. The notions of motivation and meaningfulness are central to the approach adopted in the book. In four major parts comprising 12 chapters, Cognitive English Grammar integrates recent cognitive approaches into one coherent model, allowing the analysis of the most central constructions of English. Part I presents the cognitive framework: conceptual and linguistic categories, their combination in situations, the cognitive operations applied to them, and the organisation of conceptual structures into linguistic constructions. Part II deals with the category of 'things' and their linguistic structuring as nouns and noun phrases. It shows how things are grounded in reality by means of reference, quantified by set and scalar quantifiers, and qualified by modifiers. Part III describes situations as temporal units of various layers: internally, as types of situations; and externally, as located relative to the time of speech and grounded in reality or potentiality. Part IV looks at situations as relational units and their structuring as sentences. Its two chapters are devoted to event schemas and space and metaphorical

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extensions of space. Cognitive English Grammar offers a wealth of linguistic data and explanations. The didactic quality is guaranteed by the frequent use of definitions and examples, a glossary of the terms used, overviews and chapter summaries, suggestions for further reading, and study questions. For the Key to Study Questions click here.

Some structural features of languages predict others, some remain unchanged in daughter languages, others have an areal consistency; in establishing typologically, historically and geographically stable features in the worlds languages, examples are included from Kayardild, Djingili, Dyirbal, Mangarayi, Maung, Ngiyambaa.

[The Meaning of Space in Sign Language](#)  
[Cognitive Grounding and Theoretical Extensions](#)  
[Variation in Time and Space](#)  
[Associated Motion](#)  
[From Space to Time](#)  
[Space in Language and Cognition](#)  
[Towards a Theory of Formal Expressions](#)  
[Grammars of Creation](#)  
[Space and Time in Languages and Cultures](#)  
[Grammars of Approach](#)

### [Developing Grammars](#)

### [Observing the World through Corpora](#)

#### *Table of contents*

*"We have no more beginnings," George Steiner begins in this, his most radical book to date. A far-reaching exploration of the idea of creation in Western thought, literature, religion, and history, this volume can fairly be called a magnum opus. He reflects on the different ways we have of talking about beginnings, on the "core-tiredness" that pervades our end-of-the-millennium spirit, and on the changing grammar of our discussions about the end of Western art and culture. With his well-known elegance of style and intellectual range, Steiner probes deeply into the driving forces of the human spirit and our perception of Western civilization's lengthening afternoon shadows. Roaming across topics as diverse as the Hebrew Bible, the history of science and mathematics, the ontology of Heidegger, and the poetry of Paul Celan, Steiner examines how the twentieth century has placed in doubt the rationale and credibility of a future tense--the existence of hope. Acknowledging that technology and science may have replaced art and literature as the driving forces in our culture, Steiner warns that this has not happened without a significant loss. The forces of technology and science alone fail to illuminate inevitable human questions regarding value, faith, and meaning. And yet it is difficult to believe that the story out of Genesis has ended, Steiner observes, and he concludes this masterful volume of reflections with an eloquent evocation of the endlessness of beginnings.*

*Whether you're just learning how to frame a shot or simply looking for a refresher, the third edition*

*of Grammar of the Shot gives you the tools you need to build a successful visual story that flows smoothly and makes sense to your audience. Understand the basic building blocks essential for successful shot composition, screen direction, depth cues, lighting, screen direction, camera movement, and many general practices that make for richer, multi-layered visuals. Expand your visual vocabulary, help jumpstart your career in filmmaking, and watch visual examples and further instruction on the companion website, [www.focalpress.com/cw/bowen](http://www.focalpress.com/cw/bowen). Designed as an easy-to-use reference, Grammar of the Shot presents each topic succinctly with clear photographs and diagrams illustrating the key concepts, and is a staple of any filmmaker's library. \* A simple and clear overview of the principles of shooting motion pictures--timeless information that will improve your work \* The companion website offers video instruction and examples to bring the book's lessons to life \* Together with its companion volume Grammar of the Edit, Third Edition these books are exactly what the beginning filmmaker needs New to this edition: \* A full chapter devoted to lighting \* More script coverage, complete with a sample script \* Suggested exercises and projects for you to practice your skills \* End-of-chapter quizzes to test your grasp of key concepts \* New visual examples*

*The author, who died in 1984, is well-known both as a person and through his research in mathematical logic and theoretical computer science. In the first part of the book he presents the new classical theory of finite automata as unary algebras which he himself invented about 30 years ago. Many results, like his work on structure lattices or his characterization of regular sets by generalized regular rules, are unknown to a wider audience. In the second part of the book he*

*extends the theory to general (non-unary, many-sorted) algebras, term rewriting systems, tree automata, and pushdown automata. Essentially Büchi worked independent of other research, following a novel and stimulating approach. He aimed for a mathematical theory of terms, but could not finish the book. Many of the results are known by now, but to work further along this line presents a challenging research program on the borderline between universal algebra, term rewriting systems, and automata theory. For the whole book and again within each chapter the author starts at an elementary level, giving careful explanations and numerous examples and exercises, and then leads up to the research level. In this way he covers the basic theory as well as many nonstandard subjects. Thus the book serves as a textbook for both the beginner and the advanced student, and also as a rich source for the expert.*

*This book investigates the role that ambiguous evidence can play in the acquisition of syntax. To illustrate this, the book introduces a probabilistic learning model for syntactic parameters that learns a grammar of best fit to the learner's evidence. The model is then applied to a range of cross-linguistic case studies – in Swiss German, Korean, and English – involving child errors, grammatical variability, and implicit negative evidence. Building on earlier work on language modeling, this book is unique for its focus on ambiguous evidence and its careful attention to the effects of parameters interacting with each other. This allows for a novel and principled account of several acquisition puzzles. With its inter-disciplinary approach, this book will be of broad interest to syntacticians, language acquisitionists, and cognitive scientists of language.*

*These 12 original papers extend the mental-spaces framework developed by Gilles Fauconnier and*

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*demonstrate its utility in solving deep problems in linguistics and discourse theory. The contributors analyze a wide range of phenomena, including analogical co*

*This monograph contains the first systematic investigation of the Japanese 'dative subject' construction across time and space. It demonstrates that, in order to capture what speakers/writers know about how to put an utterance or a clause together, it is necessary to pay attention to what they do in actual language use and in different discourse types. The work also shows the importance of diachronic perspectives to help us better understand the ways in which a particular grammatical structure is represented synchronically. By utilizing modern Japanese conversation, contemporary Japanese novels, and a pre-modern and modern Japanese literature corpus, the study highlights the role of 'dative subjects' at the semantic and discourse-pragmatic levels. Specifically, it demonstrates that what has been considered to be a most 'grammatical' aspect of Japanese actually turns out to be rather pragmatically oriented.*

[\*Deconstructing the Japanese 'dative Subject' Construction\*](#)

[\*Array Grammars, Patterns and Recognizers\*](#)

[\*A Cognitive Linguistics Approach\*](#)

[\*Functional and Cognitive Perspectives\*](#)

[\*The Grammar of Space\*](#)

[\*Landscape, Narrative, and the Linguistic Picturesque\*](#)

[\*Semblance and Signification\*](#)

[\*Spaces, Worlds, and Grammar\*](#)

[\*Rethinking Linguistic Relativity\*](#)

[\*Parameter Hierarchies and Universal Grammar\*](#)

[\*Algorithmic Aesthetics\*](#)

[\*Reference, Specificity and Structure in Catalan Sign Language Discourse\*](#)

**Addressing a number of issues (such as coercion, discourse patterning, language change), the contributions show how CxG must be part and parcel of cognitively oriented studies of language, including language universals."--Jacket.**

**This study deals with variation in grammar both from a theoretical and an empirical point of view. In Part I (Chaps. 1-4), an attempt is made to characterize this phenomenon within the broader context of what might be called the "fluctuating character of natu'ral language", and to develop suitable and precise descriptive techniques that account for it. The method which is pro posed here is called "variety grammar" - roughly speaking, this is a formal grammar with probabilistic weighting for an ordered set of varieties, such as dialects, sociolects, registers, or developmental stages. In Part II (Chaps. 5-8), this technique is applied to an important area of grammatical variation - to the process of second language acquisition in social context, based on a large investigation of the language behavior of foreign migrant workers acquiring German through everyday contacts. We**

**have tried to characterize their "developing grammars" and to relate this complex developmental process to social and individual factors that determine it.**

**The 15 essays in this volume bring together research and theoretical viewpoints in the areas of psychology, linguistics, anthropology, and neuroscience, presenting a synthesis across these diverse domains. Throughout, authors address and debate each others arguments and theories.**

**This volume offers novel insights into linguistic diversity in the domains of spatial and temporal reference, searching for uniformity amongst diversity. A number of authors discuss expression of dynamic spatial relations cross-linguistically in a vast range of typologically different languages such as Bezhta, French, Hinuq, Italian, Japanese, Polish, Serbian, and Spanish, among others. The contributions on linguistic expression of time all shed new light on pertinent questions regarding this cognitive domain, such as the hotly debated relationship between cross-linguistic differences in talking about time and universal principles of utterance interpretation, modelling temporal inference through aspectual interactions, as well as the complexity of the acquisition of tense-aspect relations in a second language. The topic of space and time in language and culture is also**

represented, from a different point of view, in the sister volume *Space and Time in Languages and Cultures: Language, Culture, and Cognition* (HCP 37) which discusses spatial and temporal constructs in human language, cognition, and culture in order to come closer to a better understanding of the interaction between shared and individual characteristics of language and culture that shape the way people interact with each other and exchange information about the spatio-temporal constructs that underlie their cognitive, social, and linguistic foundations.

The *Blue Book of Grammar and Punctuation* is filled with easy-to-understand rules, real-world examples, dozens of reproducible exercises, and pre- and post-tests. This handy workbook is ideal for teachers, students in middle school through college, ESL students, homeschoolers, and professionals. Valuable for anyone who takes tests or writes reports, letters, Web pages, e-mails, or blogs, The Blue Book offers instant answers to everyday English usage questions.

[Studies in Language](#)

[Linguistic Research on the Expression of Spatial Relations and Motion in Ancient Languages](#)

[CityMaker](#)

[On Understanding Grammar](#)

[Computer Models for Criticism and Design in the Arts](#)

[Linguistic Diversity](#)

[Construction Grammars](#)

[Choosing a Grammar](#)

[On Ancient Grammars of Space](#)

[Language and Time](#)