

# Optimality Theory

(Prince & Smolensky 1993)

- Optimality Theory is a theory of language and grammar in which **well-formedness constraints on outputs** determine grammaticality

*If you don't want phonology to be just a technique for data-compression, you have to seek the locus of explanatory action elsewhere*

(Prince & Smolensky, 1993)

# Optimality Theory

**John J. McCarthy**



## **Optimality Theory:**

**Optimality Theory** Rene Kager, 1999-06-28 This is an introduction to Optimality Theory whose central idea is that surface forms of language reflect resolutions of conflicts between competing constraints A surface form is optimal if it incurs the least serious violations of a set of constraints taking into account their hierarchical ranking Languages differ in the ranking of constraints and any violations must be minimal The book does not limit its empirical scope to phonological phenomena but also contains chapters on the learnability of OT grammars OT's implications for syntax and other issues such as opacity It also reviews in detail a selection of the considerable research output which OT has already produced Exercises accompany chapters 1-7 and there are sections on further reading Optimality Theory will be welcomed by any linguist with a basic knowledge of derivational Generative Phonology *Optimality Theory in Phonology* John J. McCarthy, 2004 Optimality Theory in Phonology A Reader is a collection of readings on this important new theory by leading figures in the field starting with a lengthy excerpt from the original source Prince and Smolensky's never before published report *Optimality Theory: Constraint Interaction in Generative Grammar* The 33 selections cover a broad range of topics in phonology and include many of the foundational works some of them revised to reflect the most recent developments Optimality Theory in Phonology is designed as a text for advanced phonology courses but is also of interest as a reference work for scholars in the field of linguistics and related disciplines Each chapter includes introductory notes to set the stage and highlight connections as well as a list of study and research questions *Optimality Theory* Joost Dekkers (linguist), Frank Reinoud Hugo van der Leeuw, Jeroen Maarten van de Weijer, 2000 The introduction of Optimality Theory OT by Prince and Smolenski in 1995 is frequently seen as the most important development in generative grammar of the 1990s It has profoundly changed the understanding of sound systems it has given a new impetus to the study of language acquisition and its potential for the discovery and explanation of the universal properties of language is increasingly recognized OT substitutes constraints for rules in universal grammar and linguistic performance Constraints are ranked so that a lower ranked constraint may be violated in order to satisfy a higher The assumption that constraints are violable can be considered as the formal correlate of linguistic tendencies whereas their ranking expresses the degree to which individual languages exhibit these tendencies OT may thus be used to describe the characteristics of any language but it is as yet too general to provide a substantive theory of grammar In this book a range of scholars consider the specific properties that an OT grammar should have After an extensive introduction the volume is divided into four parts Parts One and Two are concerned respectively with prosodic representations and segmental phonology Parts Three and Four then consider the application of OT to syntax and syntactic theory and to language acquisition and learnability This wide ranging collection of new work by leading scholars from the USA and Europe will interest linguists and postgraduate students in all the main fields of discipline Its insights and the research it reports will also be valuable to those whose theoretical position is apparently at odds with the principles of OT

**Optimality Theory** Alan Prince, Paul Smolensky, 2004-09-24 This book is the final version of the widely circulated 1993 Technical Report that introduces a conception of grammar in which well formedness is defined as optimality with respect to a ranked set of universal constraints Final version of the widely circulated 1993 Technical Report that was the seminal work in Optimality Theory never before available in book format Serves as an excellent introduction to the principles and practice of Optimality Theory Offers proposals and analytic commentary that suggest many directions for further development for the professional

Optimality Theory and Language Change D.E. Holt, 2012-12-06 Optimality Theory and Language Change discusses many optimization and linguistic issues in great detail treats the history of a variety of languages including English French Germanic Galician Portuguese Latin Russian and Spanish shows that the application of OT allows for innovative and improved analyses allows researchers that appeal to OT to see the connections of their usually synchronic work with diachronic studies contains a complete bibliography on Optimality Theory and language change This volume may be used as one of the texts in courses on historical phonology or syntax that treat these topics from generative approaches or that give a general survey of various frameworks of research into these areas Likewise the volume may serve as a text for courses in phonology syntax and Optimality Theory that have a component dedicated to extensions of linguistic theory to historical change It is of interest for historical linguists researchers into Optimality Theory and linguistic theory and for phonologists and syntacticians with an interest in historical change

**Optimality Theory** Rene Kager, 1999-06-28 This is an introduction to Optimality Theory whose central idea is that surface forms of language reflect resolutions of conflicts between competing constraints A surface form is optimal if it incurs the least serious violations of a set of constraints taking into account their hierarchical ranking Languages differ in the ranking of constraints and any violations must be minimal The book does not limit its empirical scope to phonological phenomena but also contains chapters on the learnability of OT grammars OT's implications for syntax and other issues such as opacity It also reviews in detail a selection of the considerable research output which OT has already produced Exercises accompany chapters 1-7 and there are sections on further reading Optimality Theory will be welcomed by any linguist with a basic knowledge of derivational Generative Phonology

*A Thematic Guide to Optimality Theory* John J. McCarthy, 2002 Explains and explores the central premises of OT and the results of their praxis

**Optimality Theory - An Introduction** Patrick Schmitz, 2012-03-13 Seminar paper from the year 2009 in the subject English Language and Literature Studies Linguistics grade 2.0 RWTH Aachen University language English abstract The linguistic model Optimality Theory was for the first time proposed by the linguist Alan Prince Rutgers University New Jersey in cooperation with his colleague Paul Smolensky John Hopkins University Baltimore in the year 1993 This representational model has since then been constantly expanded for instance owing to the work of John J McCarthy University of Massachusetts Amherst and other scholars such as Ren Kager in the Netherlands or Caroline F. Fry in Germany The studies conducted in this term paper are primarily based upon the work of the aforementioned scholars with a particular

focus on the examinations by the three fathers of Optimality Theory viz Prince Smolensky and McCarthy Another fact revealing that this model is a current and productive one i e beside the spreading and development of Optimality Theory all over the linguistic world is its applicability to different subfields of linguistics namely phonology syntax and morphology With reference to its wide use it should be said that this term paper predominantly examines the phonological applicability of this linguistic model The theory itself borrows fundamental aspects from Generative Grammar such as the role of Universal Principles in language which will be pointed out as one of the most important pillars of Optimality Theory in the course of this paper In addition to explaining the fundamental principles and processes in Optimality Theory such as the roles of constraints and various other functions as for example GEN or EVAL in a general introduction chapter 2 I will also report on two case studies chapter 3 one on Tagalog prefix infixation already examined by Prince and Smolensky and one on German Final Devoicing worked upon by F ry The examination of these particular case studies shall prove that Optimality Theory is helpful when it comes to scrutinizing certain grammatical phenomena either in well known languages such as German or less known and used languages such as Tagalog an Austronesian language spoken in the Philippines Finally I want to point out the advantages and disadvantages of this linguistic model by focussing on the set of the following questions why do scholars employ the strategies of Optimality Theory and how do these strategies support linguists in coming to their respective results What actually is Optimality Theory good for and in which respect does it prove inadequate for studying languages and grammatical systems

**Optimality Theory in Phonology** John J. McCarthy, 2008-04-15 Optimality Theory in Phonology A Reader is a collection of readings on this important new theory by leading figures in the field including a lengthy excerpt from Prince and Smolensky s never before published Optimality Theory Constraint Interaction in Generative Grammar Compiles the most important readings about Optimality Theory in phonology from some of the most prominent researchers in the field Contains 33 excerpts spanning a range of topics in phonology and including many never before published papers Includes a lengthy excerpt from Prince and Smolensky s foundational 1993 manuscript Optimality Theory Constraint Interaction in Generative Grammar Includes introductory notes and study research questions for each chapter

*Bidirectional Optimality Theory* Anton Benz, Jason Mattausch, 2011-11-28 Bidirectional Optimality Theory BiOT emerged at the turn of the millennium as a fusion of Radical Pragmatics and Optimality Theoretic Semantics It stirred a wealth of new research in the pragmatics semantics interface and heavily influenced e g the development of evolutionary and game theoretic approaches Optimality Theory holds that linguistic output can be understood as the optimized products of ranked constraints At the centre of BiOT is the insight that this optimisation has to take place both in production and interpretation and that the production interpretation cycle has to lead back to the original input BiOT is now generally interpreted as a description of diachronically stable and cognitively optimal form meaning pairs It found applications beyond the semantics pragmatics interface in language acquisition historical linguistics phonology syntax and typology This book provides a state

of the art overview of these developments It collects nine chapters by leading scientists in the field      **Doing Optimality Theory** John J. McCarthy, 2011-09-23 Doing Optimality Theory brings together examples and practical detailed advice for undergraduates and graduate students working in linguistics Given that the basic premises of Optimality Theory are markedly different from other linguistic theories this book presents the analytic techniques and new ways of thinking and theorizing that are required Explains how to do analysis and research using Optimality Theory OT a branch of phonology that has revolutionized the field since its conception in 1993 Offers practical in depth advice for students and researchers in the field presented in an engaging way Features numerous examples questions and exercises throughout all helping to illustrate the theory and summarize the core concepts of OT Written by John J McCarthy one of the theory's leading proponents and an instrumental figure in the dissemination and use of OT today An ideal guide through the intricacies of linguistic analysis and research for beginning researchers and by example one which will lead the way to future developments in the field

*Optimality Theory and Pragmatics* Reinhard Blutner, Anne Bezuidenhout, Richard Breheny, Sam Glucksberg, Francesca Happé, 2003-12-19 Ten leading scholars provide exacting research results and a reliable and accessible introduction to the new field of optimality theoretic pragmatics The book includes a general introduction that overviews the foundations of this new research paradigm The book is intended to satisfy the needs of students and professional researchers interested in pragmatics and optimality theory and will be of particular interest to those exploring the interfaces of formal pragmatics with grammar semantics philosophy of language information theory and cognitive psychology      **The Derivational Residue in Phonological Optimality Theory** Ben Hermans, Marc van Oostendorp, 2000-02-15 Constraint based frameworks such as Optimality Theory OT have significantly altered phonologists' views on the nature of derivations and their role in linguistic theory Earlier frameworks of generative phonology were characterized by a fairly complicated theory of derivations involving lexical levels the cycle and intrinsic and extrinsic rule ordering among other things OT in its standard form on the other hand represents a minimalist theory of derivations recognizing only a direct mapping from input to output This volume addresses questions from many different points of view by a number of outstanding scholars Is this minimal theory sufficiently well equipped to deal with the empirical complications of natural language or do we need a larger derivational residue in our theory What are the relevant facts and how can we deal with them Are there any reasons to think that an OT based approach to derivations may even be more successful than its rule based competitors The book also features an introduction into the general issues involved and an extensive bibliography      *Vowel Reduction in Optimality Theory* Katherine

Crosswhite, Alexander Jun, 2001 First Published in 2002 Routledge is an imprint of Taylor Francis an informa company

Scandinavian Object Shift and Optimality Theory E. Engels, S. Vikner, 2014-05-30 This book presents an account of object shift a word order phenomenon found in most of the Scandinavian languages where an object occurs unexpectedly to the left and not to the right of a sentential adverbial With new and original observations it is an important addition to the fields of

phonology optimality theory and theoretical syntax      Doing Optimality Theory John J. McCarthy, 2008-05-19 Doing Optimality Theory brings together examples and practical detailed advice for undergraduates and graduate students working in linguistics Given that the basic premises of Optimality Theory are markedly different from other linguistic theories this book presents the analytic techniques and new ways of thinking and theorizing that are required Explains how to do analysis and research using Optimality Theory OT a branch of phonology that has revolutionized the field since its conception in 1993 Offers practical in depth advice for students and researchers in the field presented in an engaging way Features numerous examples questions and exercises throughout all helping to illustrate the theory and summarize the core concepts of OT Written by John J McCarthy one of the theory's leading proponents and an instrumental figure in the dissemination and use of OT today An ideal guide through the intricacies of linguistic analysis and research for beginning researchers and by example one which will lead the way to future developments in the field      **Optimality Theory and Language Change** D.E. Holt, 2003-08-31 This work discusses many optimization and linguistic issues in great detail It treats the history of a variety of languages including English French Germanic Galician Portuguese Latin Russian and Spanish and shows that the application of Optimality Theory allows for innovative and improved analyses It contains a complete bibliography on OT and language change It is of interest to historical linguists researchers into OT and linguistic theory and phonologists and syntacticians with an interest in historical change      **The Phonology of English : A Prosodic Optimality-Theoretic Approach** Michael Hammond, 1999-04-15 The Phonology of English introduces the subject from an Optimality Theoretic perspective Written by a high profile American phonologist the book presents an analysis of new generalizations about the surface shapes of English words It will not only be the most up to date introduction to English phonology but will also provide the clearest available account of Optimality Theory Its combination of accessibility originality and clear analysis make this essential reading for all those interested in the sounds of English words and some of the latest developments in linguistics theory The Phonology of English offers a new approach to English phonology It focuses on the prosody of the language i.e syllable and foot structure and does so from an optimality theoretic OT perspective The focus is on surface distributional regularities and the results presented are based on extensive searches through various computerized lexicons The outcome is a number of new generalizations about the phonology of English along with confirmation of some familiar regularities All of these empirical results are discussed in detail and presented in extensive charts with a plethora of examples The Phonology of English also offers a unique OT analysis This provides a detailed introduction to the intricacies of the theory as applied to a significant amount of data A number of important theoretical proposals are developed in this model and the analysis presents the idea that certain complex constraints and their ranking can be derived in restricted ways from more basic constraints In addition the book also develops the idea that syllables of English can contain from zero to three moras It is suggested that the phonology of English only makes sense if partial morphemes of the cranberry sort are licensed more widely The book is

thus intended as a detailed presentation of novel empirical results about the sound system of English along with important theoretical results about phonological theory      *Patterns of Reduplication in Lushootseed* Suzanne Urbanczyk, 2001 A detailed examination of three reduplicative morphemes in Lushootseed Central Salish arguing that every aspect of their phonological effect follows from being specified as either root or affix      **The Handbook of Brain Theory and Neural Networks** Michael A. Arbib, 2003 This second edition presents the enormous progress made in recent years in the many subfields related to the two great questions how does the brain work and How can we build intelligent machines This second edition greatly increases the coverage of models of fundamental neurobiology cognitive neuroscience and neural network approaches to language Midwest



## Decoding **Optimality Theory**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Optimality Theory**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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