

## **OT et al: a selected random bibliography**

### Philosophical background:

Niko Tinbergen (1963). On Aims and Methods of Ethology. *Z. für Tierpsychologie*, 20: 410-433.

David Marr (1982). *Vision: A Computational Approach*. Freeman: San Francisco.

Fresco, Nir (2012). The explanatory role of computation in cognitive science. *Minds and Machines* 22(4): 353-380.

### General introduction to OT:

McCarthy, John (2002). *A Thematic Guide to Optimality Theory*. Cambridge University Press.

McCarthy, John (2008). *Doing Optimality Theory: Applying Theory to Data*. Blackwell.

Tesar, Bruce, Jane Grimshaw and Alan Prince (1999). Linguistic and Cognitive Explanation in Optimality Theory. E. Lepore and Z. Pylyshyn: *What is Cognitive Science?* Blackwell, 1999.

### Philosophical foundations of Optimality Theory; connectionist implementations, OT syntax:

Paul Smolensky and Geraldine Legendre (ed., 2006). *The Harmonic Mind: From Neural Computation to Optimality-Theoretic Grammar*. MIT Press: Cambridge, MA.

Ramsey, William (2009). *The Harmonic Mind...* [review]. *Philosophical Books* 50: 172-184.

Pater, Joe (2009). Review of Smolensky and Legendre, *The Harmonic Mind*.

Smolensky, Paul (2012). Cognition: Discrete or Continuous Computation? In: S. B. Cooper and J. van Leeuwen: *Alan Turing – His Work and Impact*. Elsevier.

### Mathematical background of Optimality Theory:

Bíró, T. (2006). *Finding the right words*. PhD dissertation, University of Groningen. Chapter 3.

Bíró, T. (2013). Towards a Robuster Interpretive Parsing: Learning from overt forms in Optimality Theory. *Journal of Logic, Language and Information*, 22 (2): 139–172.

Riggle, Jason: Violation Semirings in Optimality Theory.

### OT and cognitive architectures:

Misker, J. M., & Anderson, J. R. (2003). Combining Optimality Theory and a cognitive architecture. In F. Detje et al. (Ed.), *Proc. 5th International Conference on Cognitive Modeling* (Vol. 5, p. 171-176). Universitaets-Verlag Bamberg.

Rij, J. van, Rijn, H. van, & Hendriks, P. (2010). Cognitive architectures and language comprehension. *Journal of Child Language*, 37(3), 731–766.

### Finite-state implementations of OT (and possibly further papers):

Frank, Robert and Giorgio Satta (1998). Optimality Theory and the Generative Complexity of Constraint Violability. *Computational Linguistics*, 24(2): 307-315.

Karttunen, Lauri (1998). The Proper Treatment of Optimality Theory in Computational Phonology: *Finite-state Methods in Natural Language Processing*, Ankara, pp. 1-12.

Gerdemann, Dale and Gertjan van Noord (2000). Approximation and Exactness in Finite State OT. In: J. Eisner, L. Karttunen and A. Thériault, SIGPHON 2000, Finite State Phonology.

Jäger, Gerhard (2003). Recursion by optimization: On the complexity of bidirectional Optimality Theory. *Natural Language Engineering* 9(1): 21-38.

### Heuristic implementations of OT:

Bíró, T. (2006). *Finding the right words*. PhD dissertation, U of Groningen.

Pulleyblank, Douglas and William J. Turkel (2000). Learning Phonology: Genetic Algorithms and Yoruba Tongue-Root Harmony. In: J. Dekkers, F. van der Leeuw and J. van De Weijer (eds.) *Optimality Theory: Phonology, Syntax, and Acquisition*. Oxford University Press: 554-591.

### Learnability of OT:

- Partha Niyogi. *The Computational Nature of Language Learning and Evolution*. MIT, 2006.
- Tesar, Bruce (2007). Learnability. In: Paul de Lacy (ed.). *The Cambridge Handbook of Phonology*, 555-574. New York City: Cambridge University Press.
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- Paul Boersma (2003). Review of "Bruce Tesar and Paul Smolensky (2000): Learnability in Optimality Theory". *Phonology* 20(3): 436-446.
- Boersma, Paul and Bruce Hayes (2001). Empirical tests of the Gradual Learning Algorithm. *Linguistic Inquiry*, 32:45-86.
- Frank Keller and Ash Asudeh (2002). Probabilistic learning algorithms and Optimality Theory. *Linguistic Inquiry* 33(2): 225-244.
- Boersma and Pater (2008). Convergence properties of a Gradual Learning Algorithm for HG.
- Magri, Giorgio (2012). Convergence of error-driven ranking algorithms. *Phonology* 29: 213-269.

### Dialects of OT:

- Luigi Burzio (2002). Missing Players: Phonology and the Past-tense Debate. *Lingua* 112, 157-199.
- Boersma and Hayes (2001) above. Keller and Asudeh (2002) above.
- Reinhard Blutner (2000). Some Aspects of Optimality in Natural Language Interpretation. *Journal of Semantics* 17(3): 189-216.
- Gerhard Jäger (2002). Some Notes on the Formal Properties of Bidirectional Optimality Theory.
- Gerhard Jäger (2006). Evolutionary Game Theory for Linguists. A primer.
- Gerhard Jäger (2012). Game Theory in Semantics and Pragmatics. In C. Maienborn, P. Portner and K. von Stechow (eds.), *Semantics. An International Handbook ...* Berlin: de Gruyter.
- Gerhard Jäger (2003). Simulating language change with Functional OT. In Simon Kirby (ed.), *Language Evolution and Computation*, Workshop at ESSLLI, Vienna 2003, pp 52-61.
- G. Jäger (2007). Evolutionary Game Theory and Typology: A Case Study. *Language* 83: 74-109.
- Joe Pater (2009). Weighted Constraints in Generative Linguistics. *Cognitive Science* 33: 999-1035.
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- Matthew Goldrick and Robert Daland (2009). Linking speech errors and phonological grammars: insights from Harmonic Grammar networks. *Phonology* 26: 147-185.

### OT beyond linguistics, OT and anthropology:

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- Tamás Biró and Judit Gervain (2011). Optimality Theory as a General Cognitive Architecture. Workshop description, 33rd annual meeting of the Cognitive Science Society, Boston, MA.
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