

1. Record Nr.	UNINA9910734331203321
Autore	Spohn Herbert <1946->
Titolo	Dynamics of charged particles and their radiation field / / Herbert Spohn [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2023
ISBN	1-009-40228-5
Edizione	[[Revised edition].]
Descrizione fisica	1 online resource (xvi, 360 pages) : illustrations (black and white), digital, PDF file(s)
Disciplina	530.1433
Soggetti	Electromagnetic theory Quantum electrodynamics Particles (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition issued in print: 2004.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book provides a self-contained and systematic introduction to classical electron theory and its quantization, non-relativistic quantum electrodynamics. The first half of the book covers the classical theory. It discusses the well-defined Abraham model of extended charges in interaction with the electromagnetic field, and gives a study of the effective dynamics of charges under the condition that, on the scale given by the size of the charge distribution, they are far apart and the applied potentials vary slowly. The second half covers the quantum theory, leading to a coherent presentation of non-relativistic quantum electrodynamics. Topics discussed include non-perturbative properties of the basic Hamiltonian, the structure of resonances, the relaxation to the ground state through emission of photons, the non-perturbative derivation of the g-factor of the electron and the stability of matter. First released in 2004, this title has been reissued as an Open Access publication on Cambridge Core.

2. Record Nr.	UNINA9910967899603321
Autore	Velde John R. te
Titolo	Deriving coordinate symmetries : a phase-based approach integrating select, merge, copy and match / / John R. te Velde
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : J. Benjamins Pub. Co., 2005
ISBN	9786612156021 9781282156029 1282156020 9789027293725 9027293724
Edizione	[1st ed.]
Descrizione fisica	1 online resource (395 p.)
Collana	Linguistik aktuell = Linguistics today, , 0166-0829 ; ; v. 89
Disciplina	415
Soggetti	Grammar, Comparative and general - Coordinate constructions Grammar, Comparative and general - Ellipsis Parallelism (Linguistics) Asymmetry (Linguistics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [359]-370) and indexes.
Nota di contenuto	Deriving Coordinate Symmetries -- Editorial page -- Title page -- LCC data -- Table of contents -- Abbreviations -- Outline of the study -- 1.1. Introduction -- 1.2. Features and matching in coordination -- 1.3. Merge and phase in the derivation of coordinate structures -- 1.4. Ellipsis in conjunction -- 1.5. Coordinate ellipsis and the structure of Germanic -- Features and matching in coordination -- 2.1. Coordinate Feature Matching (CFM) -- 2.2. Features in syntax vs. in coordination -- 2.3. Features in coordination -- 2.3.1. Symmetry and features in conjunction: questions raised -- 2.3.2. Asymmetry and features in coordination -- 2.3.3. Configurations and agreement in coordinate structures -- 2.3.4. Configurations and (a)symmetry in coordinate structures -- 2.4. Feature matching in derivation -- 2.4.1. CFM within a derivational model -- 2.4.2. On the syntax and semantics of [& --] -- 2.4.3. Some semantic issues of coordination and agreement -- 2.4.4. The core relations and their features in coordinate symmetry -- 2.4.5. Independent support for CFM from experiments -- 2.4.6.

Deriving coordinate symmetry -- 2.4.7. Feature matching and structural isometricity -- 2.5. Feature matching and configurations -- 2.5.1. Camacho (2000) on syntactic symmetries in coordination -- 2.5.2. An alternate proposal -- 2.5.3. Symmetry and sharing in conjoined clauses -- 2.5.4. Feature matching in certain asymmetric constructions -- 2.5.5. weil+V2: Conjunction-clause and syntax-semantics mismatches -- 2.5.6. Summarizing the mismatches -- 2.6. Symmetry within asymmetry through Select, Copy and Match -- 2.7. Chapter summary and conclusions -- Deriving coordinate structures -- 3.1. Some background -- 3.2. Binary phrase structure, asymmetry and coordination -- 3.3. Coordination in the Spec-head-complement model -- 3.3.1. Move alpha not required in conjunction. 3.3.2. Unbalanced coordination -- 3.4. Properties of [& --] and clausal conjuncts -- 3.4.1. [& --] does not project a phrase -- 3.4.2. [& --] does not assign or check Case -- 3.4.3. Non-projecting [& --] and asymmetric agreement -- 3.4.4. Not all coordinate constructions are CP-based -- 3.5. Conjunction as a pure Merge operation -- 3.5.1. Steps in conjunction -- 3.5.2. Comparing conjunction by pure Merge to other models -- 3.5.3. Solutions available in a phase-based model -- 3.5.4. The role of CFM in a derivational model -- 3.5.5. Feature Matching in conjunction vs. in simplex sentences -- 3.5.6. Selection and sequence issues -- 3.6. An account of breakdown in agreement using a CFM-based derivational model -- 3.6.1. Abstract, morphological and default Case -- 3.6.2. Symmetry and derivational economy -- 3.6.3. Breakdown and prescriptiveness in English -- 3.7. Chapter conclusion -- Deriving coordinate ellipsis -- 4.0. Introduction -- 4.1. Some core properties of and basic assumptions about ellipsis -- 4.1.1. Core properties -- 4.1.2. Parallelism: Its properties, source and role in coordinate ellipsis -- 4.1.3. Coordinate ellipsis, matching and sloppy identity -- 4.1.4. Asymmetry versus coordinate symmetry: Gap or no gap? -- 4.2. Licensing of gaps -- 4.2.1. Williams' proposal and an alternative -- 4.2.2. Licensing locally by a lexical head at the left edge -- 4.2.3. Licensing locally by a prosodic feature at the right edge -- 4.2.4. Licensing by a prosodic feature conjunct-internally -- 4.3. Recovery of gaps by matching in LF -- 4.3.1. Recovery in LEE -- 4.3.2. Recovery in RNR -- 4.3.3. Recovery in Gapping -- 4.4. VPE -- 4.4.1. Binding, not matching -- 4.4.2. Some additional contrasts and a conclusion -- 4.5. Coordinate ellipsis and derivation by phase with Copy and Match -- 4.5.1. Deriving coordinate ellipsis. 4.5.2. Symmetric ellipsis in non-coordinate structures -- 4.5.3. ATB phenomena and the CSC: Ross's generalization and what it accounts for -- 4.5.4. Comparing the parasitic gap construction to the ATB construction -- 4.6. Chapter summary and conclusion -- Coordinate ellipsis and the structure of West Germanic -- 5.0. Introduction -- 5.1. The left edge and coordinate ellipsis -- 5.1.1. LEE and the left edge in Germanic: Reviewing the data -- 5.1.2. Buring and Hartmann (1998) on left-edge subject gaps -- 5.1.3. Comparing a VPR account of left-edge subject gaps -- 5.1.4. Phase Theory, subject-object asymmetries and LEE -- 5.2. Other types of coordinate ellipsis and the West Germanic CP-domain -- 5.2.1. RNR and subject-object asymmetries -- 5.2.2. Gapping, RNR and subject-object asymmetries -- 5.3. Coordination and a finely-structured CP-domain -- 5.4. Gapping and the structure of the German VP -- 5.5. Chapter conclusion -- Notes -- Chapter 1 -- Chapter 2 -- Chapter 3 -- Chapter 4 -- Chapter 5 -- References -- Appendix -- Left-Edge Subject Deletion -- Left-Edge Direct-Object Deletion -- Left-Edge Indirect-Object Deletion -- Gapping -- Right-Edge Ellipsis (a.k.a. RNR -- some sentences also have Gapping) -- Note

Sommario/riassunto

This monograph proposes a minimalist, phase-based approach to the derivation of coordinate structures, utilizing the operations Copy and Match to account for both the symmetries and asymmetries of coordination. Data are drawn primarily from English, German and Dutch. The basic assumptions are that all coordinate structures are symmetric to some degree (in contrast to parasitic gap and many verb phrase ellipsis constructions), and these symmetries, especially with ellipsis, allow syntactic derivations to utilize Copy and Match in interface with active memory for economizing with gaps and assuring clarity of interpretation. With derivations operating at the feature level, troublesome properties of coordinate structures such as cross-categorial and non-constituent coordination, violations of the Coordinate Structure Constraint, as well as coordinate ellipsis (Gapping, RNR, Left-Edge Ellipsis) are accounted for without separate mechanisms or conditions applicable only to coordinate structures. The proposal provides support for central assumptions about the structure of West Germanic.
