



CRITICAL SUMMARIES IN DISTRIBUTIONAL MORPHOLOGY

DOI: 10.5281/zenodo.11118085

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INTRODUCTION

Theoretical texts on distributional morphology help us see that there is more than lexicality in morphology and that it also falls within the syntactic domain. On the other hand, moving away from Lexicalism is quite complex. The many distinct senses in which the term "lexical" is used have produced no small amount of confusion. Seeking to understand concepts and ideas of distributional morphology, our study group analyzed three texts on what the theory claims about the status of different types of information in words. We conducted three critical summaries for the texts. The summaries were structured with: 1. presentation of the general purpose of the text; 2. data dealt with in the text; 3. analysis of the text; 4. criticism; and finally 5. summary and consecutive recommendations. The texts analyzed were, in that order, "Syntactic decomposition and categorizers" by PANAGIOTIDIS, Phoivos (2015), "The location of gender features in the syntax" by KRAMER, Ruth (2016), and "Theme Vowels Are Verbs" by FÁBREGAS, Antonio (2017).

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PANAGIOTIDIS, Phoevos (2015, Ch. 3) “Syntactic decomposition and categorizers”

1. General purpose: The study discusses a theoretical proposal regarding the nature of word categories, emphasizing their role as encoding categorical features interpreted within the Logical Form (LF) and Conceptual-Intentional system. It aims to propose a theoretical analysis of how words are made and categorized syntactically, rather than solely through lexical processes. It argues for a syntactic approach to categorization, viewing categories like [n] and [v] as ordinary syntactic features with implications for understanding morphology and syntax. Panagiotidis explores root categorization within a theoretical framework where words are not pre-stored in a lexicon with fixed grammatical categories. Instead, words are formed during syntactic derivation from roots, morphosyntactic features, and categorizers. The aim is to understand how roots are categorized into specific grammatical categories, such as nouns, verbs, adjectives, and adverbs, through the concatenation of categorizing elements in syntactic structures. This proposal is relevant particularly for researchers exploring the interface between syntax, morphology, and categorization, aiming to refine theoretical frameworks and account for cross-linguistic typological data.

2. Data: The text deals with empirical phenomena such as the idiosyncratic meanings of words derived from the same root related to conversions in the Dutch language, specifically focusing on zero-derived noun-verb pairs. It examines patterns of irregular morphology and gender assignment in these conversions, providing empirical evidence for theoretical discussions regarding the categorial status of roots in morphology. The observed morphological constraints serve as evidence to challenge the assumption of acategorial roots and contribute to theoretical debates in linguistics regarding the nature of lexical categorization, as well as the interaction between syntax and morphology in word formation processes.



3. Analysis: The proposed theoretical analysis revolves around the concept of Distributed Morphology that suggests that all word forms are inserted after syntax, and that syntax is responsible for building both phrases and words. The analysis explains the empirical data by showing how syntactic operations categorize roots within syntactic structures and how morphological forms are inserted post-syntactically to match syntactic heads. The analysis explains the data by proposing that roots in Dutch may carry inherent categorial specifications, contrary to the traditional assumption of acategorial roots. The research uses morphological and morphophonological evidence to argue against acategorial roots, suggesting that morphological constraints observed in Dutch noun-verb conversions indicate the presence of categorial specifications on roots. The theoretical tools used in the analysis include morphological analysis, phonological argumentation, and examination of empirical data from Dutch linguistics. Tools such as Phase Theory are used to understand how phases serve as interpretive units and how syntactic cycles interact with morphological constraints. By employing these tools, the research not only supports the argument that roots may not be acategorial, but also significantly contributes to ongoing theoretical discussions in linguistics regarding lexical categorization.

4. Criticism: The text effectively addresses the empirical phenomenon of categorial specifications on roots in Dutch, particularly in the context of noun-verb conversions. The relevance of this phenomenon lies in its implications for our understanding of lexical categorization and word formation processes. However, the analysis and theoretical proposal presented in the text could be improved. Firstly, while the text presents compelling morphological and morphophonological evidence to challenge the notion of acategorial roots, it could benefit from a more exhaustive exploration of alternative explanations. For instance, the argument that the Dutch lexicon assigns a verbal category only to roots with a simple syllable structure could be further scrutinized to assess its plausibility and consistency with other linguistic principles. Secondly, the theoretical proposal relies heavily on interpreting morphological constraints observed in Dutch noun-verb conversions. While these constraints provide valuable insights, it could have strengthened its argument by considering additional



empirical data or conducting comparative analyses with other languages. This would have allowed for a more robust evaluation of the proposed categorial specifications on roots.

5. Summary and Future Directions: In summary, the text delves into the categorial specifications of roots in Dutch, challenging the notion of acategorial roots and proposing a theoretical framework to account for morphological constraints observed in noun-verb conversions. It provides compelling evidence from morphological and morphophonological analyses to support its argument. Possible future directions for this work could include: *Experimental Approaches:* Experimental methodologies, such as psycholinguistic experiments or corpus-based analyses, could be employed to investigate how speakers perceive and process noun-verb conversions and root categorization. Such an approach could provide valuable insights into the cognitive mechanisms underlying these linguistic phenomena.

Text: KRAMER, Ruth (2016). “The location of gender features in the syntax.”

1. General Purpose: The study evaluates the syntactic location of gender features in linguistics, exploring their placement within the nominal phrase. It contrasts traditional approaches locating gender on the nominal head *N* with lexical decomposition theories positioning it on the nominalizing head *n*. Relevant discussions include arguments against a dedicated own phrase “GenP”, the absence of gender features on the Num(ber) head, and considerations of multilocation approaches.

2. Data: The study investigates gender assignment to nouns and its relationship to agreement patterns using linguistic data from many languages. It addresses theoretical problems regarding the hierarchical structure of syntactic characteristics and the link between gender and other grammatical categories by examining how various languages manage gender assignment and agreement. Semitic languages like Hebrew and Amharic, Romance languages like Spanish and Catalan, and Russian and Tamil are the main subjects of the data analysis. For instance, most nouns in Spanish and Catalan include gender inflection; this article



describes how certain Romance languages convey gender using morphological markers such as vowel ends (-a for feminine, -o for masculine). This study also examines how Tamil determines gender according to biological sex, using feminine nouns to refer to women, masculine nouns to refer to men, and neuter nouns to refer to non-human animals. The article points out that Hebrew feminine nouns frequently include suffixes that indicate their gender. Additionally, it examines Russian hybrid agreement, in which certain nouns in the language may elicit masculine agreement even when they refer to females. These data provide insights into the diverse ways languages handle gender, informing theoretical discussions about syntactic structures and grammatical categories.

3. Analysis: The analysis employs tools from models such as DM, morphological patterns, and linguistic typology to explore the relationship between gender features and other grammatical categories. It explores whether gender features are located on the nominal N or on a nominalizing head *n* in a lexical decomposition approach. Tools such as lexical decomposition and syntactic projection are used to examine how gender features interact with other syntactic elements in the structure of noun phrases. The proposed theoretical analysis in the study revolves around two main approaches:

i) *N-analysis*: in this approach, gender features are posited to be located directly on the nominal head (N). This traditional view considers gender as part of the idiosyncratic information stored in the lexical entry of a noun. Gender features are attributed solely to the noun itself, without further decomposing. This analysis assumes that nouns have inherent gender features that determine their gender agreement patterns. For example, a feminine noun in Spanish would have the feature [+FEM] directly associated with its lexical entry on N.

ii) *n-analysis*: in contrast, the *n-analysis* adopts a lexical decomposition approach, where each lexical category (noun, verb, adjective) is decomposed into a category-neutral root and a category-defining head *n*. Gender features are then located on or around this category-defining head *n* rather than directly on the noun itself. This approach allows for a more nuanced understanding of gender assignment, as gender features can interact with other



syntactic elements in the structure. For instance, in the n-analysis, gender features may influence nominalization and inflection class, reflecting their position around the n head.

4. Criticism: The empirical phenomena explored, such as gender assignment patterns across languages and hybrid agreement phenomena, are highly relevant and interesting for understanding the syntax of gender. The phenomenon addressed, such as multilocation and gender imposition in Amharic, is relevant and interesting, as it sheds light on how linguistic structures encode social concepts like gender. In terms of the theoretical proposal, while the n-analysis offers a compelling alternative to the traditional N-analysis, the text could have been more explicit in demonstrating its superiority. Furthermore, the paper could have explored the broader implications of its theoretical proposals beyond linguistics. Gender is a complex sociocultural construct, and understanding how it is encoded in language can offer insights into broader issues of identity, power dynamics, and social hierarchies. The study could have enriched its argument and relevance by connecting its analysis to interdisciplinary perspectives (e.g., anthropology).

5. Summary and Future Directions: In summary, the study contends that gender features primarily reside on the nominal head, either directly on N in conventional approaches or on the category-defining head n in lexical decomposition models. It argues against the necessity of a distinct projection for gender (GenP) or the exclusive placement of gender features on Num. Nonetheless, there are areas for future development such as Interdisciplinary Engagement: incorporating perspectives from sociolinguistics, anthropology, and gender studies could deepen the understanding of how language reflects and shapes social constructs like gender. In conclusion, by incorporating interdisciplinary perspectives, expanding empirical research, and addressing limitations, future work in this area could contribute to a deeper understanding of the complex relationship between language and gender.

FÁBREGAS, Antonio (2017). “Theme Vowels Are Verbs.”

1 General Purpose: The study proposes that theme vowels in Spanish function as light verbs and verbalizers, occupying the same syntactic position in verb structures and playing a central



role in verb formation. It proposes that these elements are functionally identical within the verbal structure, challenging traditional views that treat theme vowels as mere markers of conjugation classes. The proposal is relevant because it seeks to unify theme vowels, light verbs, and verbalizers within a coherent theoretical framework, providing insights into the nature of morphological variation, syntactic structures and semantic properties of Spanish verbs and potentially influencing the study of verb formation in other languages.

2 Data: The text explores the empirical phenomenon of theme vowels in Spanish and their relationship with verbal morphology. The data explored in the study include the morphological patterns observed in the conjugation of Spanish verbs, particularly in the present and past tenses. The analysis centers on the observation that certain verbs in Spanish, such as *ser*, *estar* (to be), *haber* (to have), and *ir* (to go), function as light verbs, lacking sufficient conceptual semantics to stand alone as predicates and commonly used as aspectual auxiliaries. The study examines the conjugation patterns of these verbs in the present tense, noting the absence of identifiable theme vowels and verbalisers in their paradigms. The text argues that theme vowels, verbalizers, and light verbs share a structural identity and occupy the same position within the verbal structure. Further exploration of the past tense reveals additional segments that could be identified as theme vowels, prompting a reevaluation of the traditional treatment of theme vowels as dissociated morphemes. The study proposes interpreting these segments as light predicates corresponding to specific features, such as [PST] past tense, and suggests that the number and position of theme vowels in a verb form are determined by the height at which the verb is introduced in the syntactic structure. This analysis challenges the traditional view of theme vowels as mere markers of conjugation class and proposes that they are essential elements in licensing verbal functional structure, contributing to syntax and semantics in verb formation.



3 Analysis: The analysis aims to unify theme vowels, light verbs, and verbalizers by arguing that they all perform similar functions in verb formation and licensing verbal features such as tense, aspect, mood, and agreement. This analysis explains the data by showing how theme vowels operate as central components in the structure of Spanish verbs. The text aims to propose a unified framework for understanding theme vowels, light verbs, and verbalizers in Spanish verb morphology, reducing surface-level morphological variation to underlying syntactic and semantic properties. The tools used include a morphological and syntactic examination of verb forms in Spanish, with references to linguistic theories such as the Neo-Constructionist approach and suggestions by Kayne and Solà about light verbs, which provide insights into relationships between roots, light verbs, and verbalizers in verbal structures.

4 Criticism: The empirical phenomenon addressed—theme vowels in Spanish verb morphology—is relevant and interesting, as it touches upon a fundamental aspect of Spanish grammar and verb formation. The text uses various examples of Spanish verbs and their conjugation patterns to support the analysis, offering empirical data to illustrate the proposed theoretical framework. On the other hand, it may lack clarity in explaining complex concepts such as light verbs and verbalizers. This can make the argument difficult to follow for readers unfamiliar with the concepts. Also, the analysis focuses primarily on Spanish, without extensive comparison to other languages that could provide a broader perspective and strengthen the theoretical proposal. However, the analysis could benefit from addressing alternative explanations for the phenomena observed and offering more clarity in explaining complex linguistic concepts. Overall, while the analysis presents an interesting take on the role of theme vowels in Spanish verb morphology, it could benefit from greater depth in exploring alternative explanations and more clarity in presenting complex linguistic concepts.

5. Summary and Future Directions: The text presents a novel perspective on the role of theme vowels in Spanish verbs, suggesting they function as light verbs and verbalizers, occupying the same syntactic position in the verbal structure. Further development of the



REVISTA OWL (*OWL Journal*)

www.revistaowl.com.br – ISSN: 2965-2634

work could include cross-linguistic comparison because comparing the role of theme vowels in Spanish with other languages could provide additional insights into their function and strengthen the theoretical proposal. Exploring a wider range of Spanish verbs, including irregular verbs, could help validate the analysis and reveal potential limitations. Discussing the analysis within the context of other linguistic theories could also offer a broader perspective and enhance the credibility of the proposal. By addressing these areas, the analysis could be further refined and expanded, offering a more comprehensive understanding of theme vowels and their role in Spanish verb morphology. As proposed in the article, a natural extension of this proposal would be checking whether the number and position of the theme vowels follows the Functional Sequence, as expected by the author.

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Recebido em: 30/03/2024

Aprovado em: 15/04/2024

Publicado em: 05/05/2024