

A typological study of applicative uses of spatial markers

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Keywords: applicatives, spatial verb morphology, typology, valency, grammaticalization

This paper investigates cross-linguistic evidence for the functional extension of spatial verb morphology into applicative uses. Spatial markers (SM) have only recently been established as a source for applicatives; see Van linden (2022) on Harakmbut and Payne (2021) on Nilotic languages. It is still unknown how widespread this pathway is, and what the main types of variation are. This paper presents the results of a pilot study investigating these issues from a typological perspective in a 75-language sample, compiled using Miestamo's (2005) Genus-Macroarea method.

First, applicative uses are observed for different functional types of SM. A first type concerns *locationals*, as in (1a) from Jarawara (Arauan), where the prefix *ka-* 'inside' changes the semantics of the predicate from 'grasp with hand' (1b) to 'cup in hand' without affecting its valency. Contrariwise, in (1d), the same prefix introduces the applied phrase *otara* 'us' as a core argument; in the non-applicative counterpart (1c), the same participant is coded as an oblique adjunct.

- (1) Jarawara (Dixon 2004: 255, 259)
- a. *sina tama o-ka-na o-ke*
snuff(F) hold 1.SG.A-APPL-AUX 1.SG-DCL.F
'I hold the snuff in my hand.'
- b. *jimawa0 tama o-ne o-ke*
knife(F) hold 1.SG.A-CONT. F 1.SG-DCL.F
'I am holding the knife with my hand.'
- c. [*otaa ni-jaa*] *mee bosa na-maki-hete-ke tasa*
1.EXC PERI 3.NSG.S get.up.early AUX-following-RP.NE.F-DCL.F again
'Then they got up early on us again.'
- d. [*otara*] *mee bosa ka-na-hani*
1.EXC.O 3.NSG.A get.up.early APPL-AUX-IP.NE.F
'They got-up-early-on us.'

In addition to *locationals*, we also find *directionals*, see (2), and *associated motion* markers (e.g. in Tungusic languages (Pakendorf & Stoyanova 2021)); some of these functions may be coded by the same SM (Guillaume & Koch 2021: 7).

Secondly, our dataset shows that SM are not only found in prototypical "P-applicative constructions", where a core argument is added, see (1d), but also in so-called "X-applicatives", where a non-core argument is introduced to the clause, see (3b) (Zúñiga & Creissels 2024: 19). Our dataset also evidences *redirecting* effects of SM. This is illustrated in (2) from Agar Dinka (Nilotic), where the itive

verb form triggers a rearrangement of semantic roles but no valency-change; it causes the object to shift from goal ('bird') (2a) to moving theme ('stone') (2b) (Payne 2021: 719).

(2) Agar Dinka (Andersen 1992-1994: 10)

a. *d̪ɔk à-bòk dít*
 boy DCL-throw bird
 'The boy is throwing at the bird.'

b. *d̪ɔk à-bóok doòot*
 boy DCL-**throw:ITV** stone
 'The boy is throwing a stone thither.'

Thirdly, in terms of the semantic role of the applied phrase, we find that it is often a locative participant, as is expected from the (original) spatial meaning of the marker, but not necessarily so. In (3b) from Dagik (Kordofanian), the suffix *-t:ε* 'towards' introduces the landmark 'room', while in (1d), the prefix *ka-* introduces a maleficiary. More generally, we will investigate whether Peterson's (2007: 229) hierarchy of semantic roles of applied phrases can be upheld.

(3) Dagik (Vanderelst 2016: 96)

a. *a-ŋɪ b-ɔ-bek:-ɔ*
 REF-1.SGCL-PM-bath_o.s.-FV(-PFV)
 'I bathed.'

b. *a-ŋɪ b-ɔ-bek:-ɔ-t:ε* [*ri=g-əðu*]
 REF-1.SGCL-PM-bath_o.s.-FV-(**PFV**.)**APPL** LOC=CL-room
 'I bathed in the room.'

Harmonized abbreviations

| | | | | | |
|------|--------------------|------|-------------------|------|----------------------|
| A | transitive subject | FV | final vowel | PFV | perfective |
| APPL | applicative | IP | immediate mood | PM | predicative marker |
| AUX | auxiliary | ITV | itive | REF | referential marker |
| CL | class marker | LOC | locative | RP | recent past |
| CONT | continuous | NE | non-eyewitness | S | intransitive subject |
| DCL | declarative | NSG | non-singular | SG | singular |
| EXC | exclusive | O | transitive object | 1, 3 | first, third person |
| F | feminine | PERI | peripheral | | |

Acknowledgments

Work on this article was funded by grant ARC 23/27-14 – SPACEGRAM of the Research Council of the University of Liège.

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