Anaphor Binding and Syntactic Ergativity in West Circassian

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ERG_i-IO_i-ABS frame (8):

✓ ergative > IO, * IO > ergative

VoiceP

Voice

Voice'

DP(ERG)

West Circassian (Adyghe): Northwest Caucasian, polysynthetic, ergative alignment, radical pro-drop Data from the Khatazhukaj rural settlement, Republic of Adygea, Russia, unless otherwise indicated. Reflexive and reciprocal binding expressed morphologically:

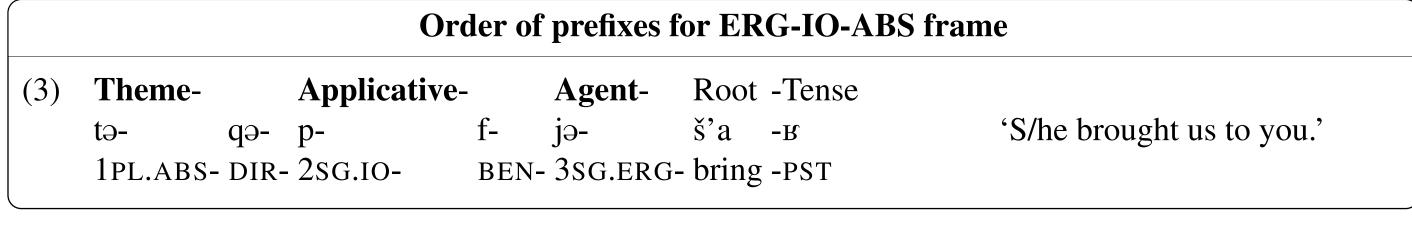
personal prefix replaced with prefix for anaphor ($\phi \rightarrow REFL/REC$)

Puzzle #1: "Backward binding" for reciprocals

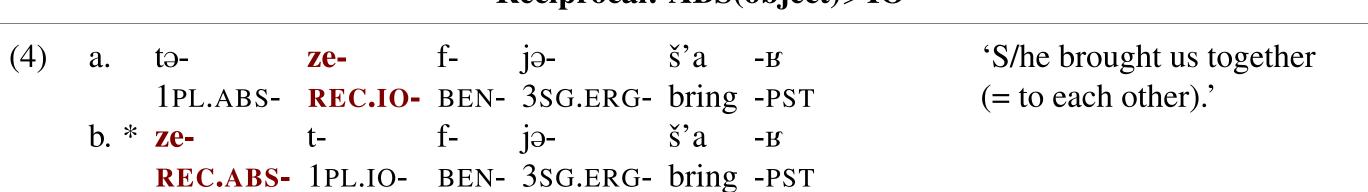
I. In an ERG-ABS frame, reciprocal marker ze(re)- replaces the **ergative** marker (Letuchiy 2010).

Order of prefixes for ERG-ABS frame **Reciprocal:** ABS>ERG e- ŝe Theme- Agent- Tense-Root 1PL.ABS- **REC.ERG-** PRS- know 'We know each other.' 2SG.ABS-1PL.ERG-PRS-know e- ŝe 'We know you." **REC.ABS-** 1PL.ERG- PRS- know

2. In an ERG-IO_i-ABS_i frame, reciprocal marker replaces the **applied object** marker.



Reciprocal: ABS(object)>IO



Deriving a high absolutive

- Ergative DP and IO are assigned inherent case by Voice⁰ and Appl⁰ and remain in-situ within VoiceP (Legate 2008; Pylkkänen 2008).
- **Absolutive DP** is assigned structural case by T⁰ and **raises to Spec,TP** to satisfy [EPP].
- Other evidence for high ABS: conditions on parasitic gap licensing (Ershova 2017).
- Previous proposals of high ABS: Bittner & Hale (1996); Aldridge (2008); Coon et al. (2014), a.o.

Reflexives are local subject oriented

Reflexive: *IO>ABS(object)

fe- s_i-

REFL.ABS- 3PL.IO- BEN- 1SG.ERG- wash -PST

1SG.ABS- **REFL.IO-** MAL- freeze -PST

'I froze against my will.'

West Circassian reflexive zə-:

Problem: Reflexives behave as if DP_{ERG} c-commands DP_{ABS} (5).

ACKNOWLEDGMENTS

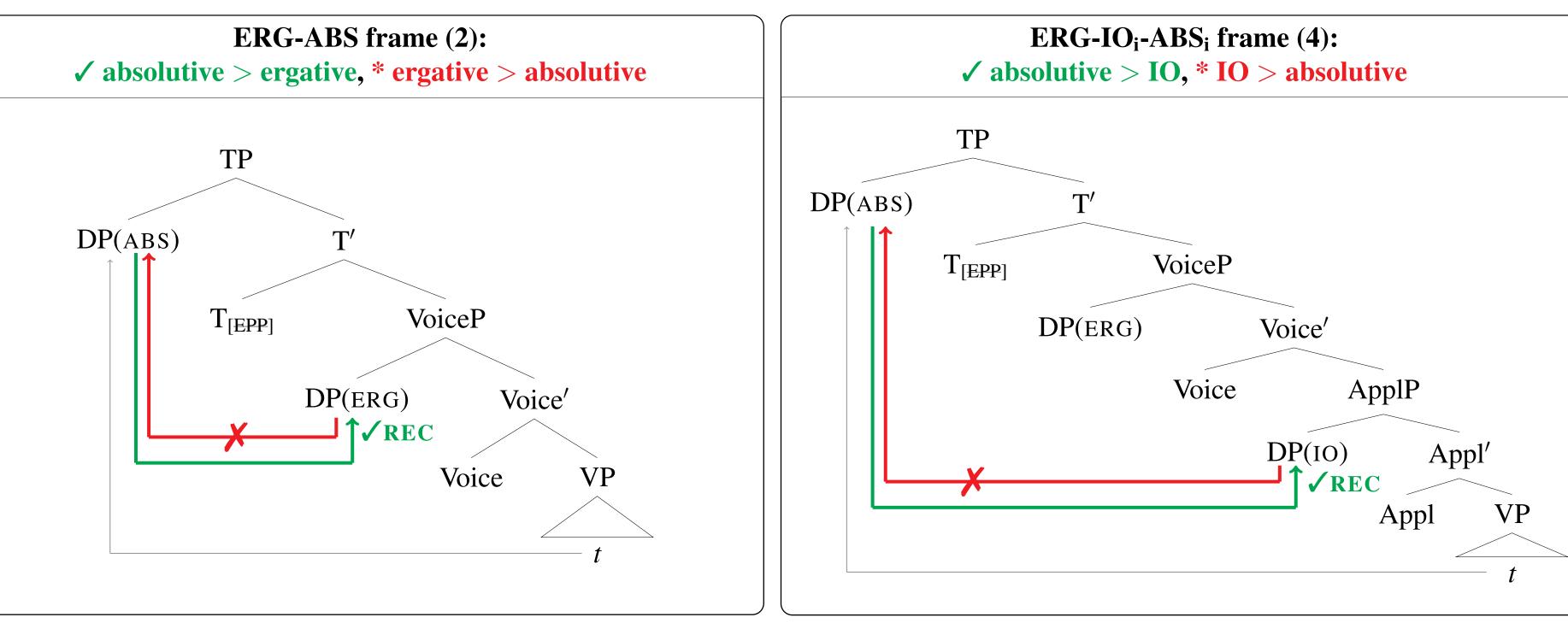
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GLOSSES

ABSolutive; BENefactive; DIRective; ERGative; IO-indirect object; MALefactive; OBLique; PLural; PRS-present tense; PST-past tense; RECiprocal; REFLexive; SG-singular.

 $\Gamma_{[\overline{EPP}]}$

Reciprocal binding is via c-command



Reflexive: *ABS(object)>IO

3ABS- **REFL.IO-** BEN- 1SG.ERG- wash -PST -PL

1SG.ABS- DIR- **REFL.IO-** BEN- dance.PST

thač'ə -ве -х

(10) \emptyset_{i} - \mathbf{z}_{i} - \mathbf{e} - \mathbf{s}_{i} -

Main Claim

- Despite appearances, reciprocal binding is established via **c-command**.
- ABS>ERG/IO, because West Circassian is syntactically ergative: DP_{ABS} moves to Spec,TP.

Puzzle #2: Reflexives and syntactic accusativity

In an ERG-ABS frame, reflexive marker zə- replaces the **absolutive** marker.

Reflexive: ERG>ABS					
(5)		Theme-	Agent-	Root	-Tense
	a.	Z -	S-	thač'ə	-R
		REFL.ABS-	1sg.erg-	wash	-PST
	b. *	SƏ-	Z -	thač'ə	- R
		1sg.abs-	REFL.ERG-	wash	-PST
		'I washed myself.'			

Reciprocal binding is via c-command

Order of prefixes for ABS-IO frame

Agent- Theme- Root

1PL.ABS-3PL.IO- look

'We are looking at them.'

Claim #2

Reflexives are local subject oriented

= can only be bound by a **non-derived** subject.

Reciprocal:ABS>IO

1PL.ABS- **REC.IO-** PRS- look

REC.ABS- 1PL.IO- PRS- look

'We are looking at each other.'

e-

e- p\a

DP_{ABS} in Spec,TP is derived

 \Rightarrow cannot bind a reflexive.

a. 'I washed myself for them.' a. 'I washed them for myself.' b. * 'I washed them for themselves.' b. * 'I washed them for themselves.' Compare with reciprocal marking co-reference of IO and ABS(object) in (4). 2. for an unaccusative verb with high applicative, may replace absolutive theme marker (11)* *(11b) is reanalysis: applicative boosts agentive interpretation, unaccusative \rightarrow unergative Compare with unergative verb (12): reflexive **cannot** replace absolutive agent marker. **Reflexive:** unaccusative + applicative **Reflexive:** unergative + applicative fe- ŝ^wež'эв a. * **z**əqə- s-MAL- freeze -PST REFL.ABS- DIR- 1SG.IO-REFL.ABS- 1SG.IO-BEN- dance.PST fe- ŝ^wež'эв b. ? sə-§we- ў, tэ -к qə- **zə-Z**-

Answer: High position of DP_{ABS} is **derived** + reflexives may only be bound by **non-derived** subjects.

. cannot be used to mark co-reference between two non-subject arguments in an ERG-IO-ABS frame

thač'ə -в

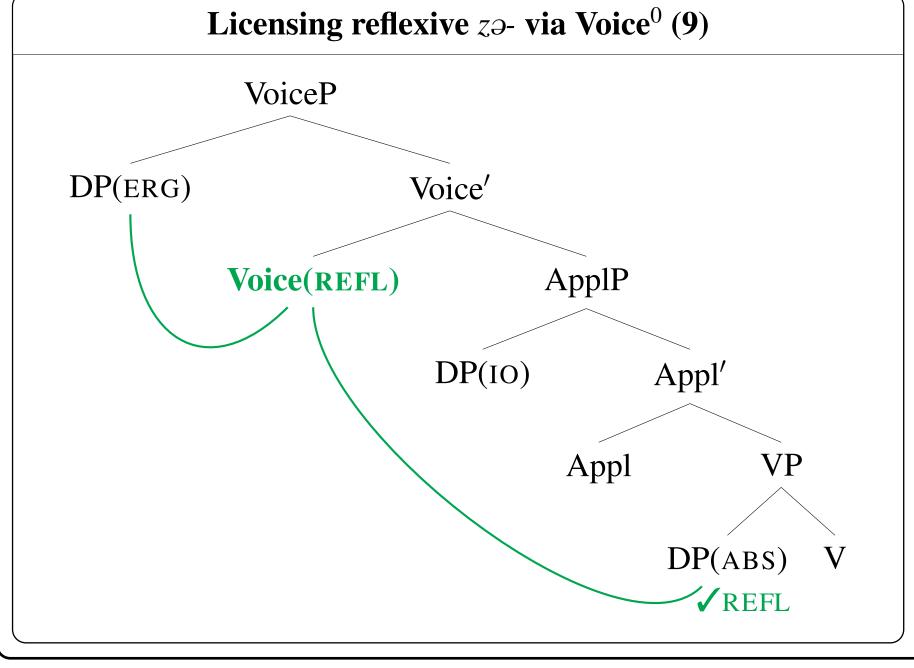
Reflexive Voice⁰

Building on Labelle (2008); Sportiche (2014); Ahn (2015)

• $z\partial$ - is a reflex of agreement with a semantically vacuous DP (= without an index)

DP(ABS)

- Reflexive Voice⁰:
- 1. Introduces the external argument
- 2. Licenses the reflexive via feature [REFL]
- 3. Establishes identity between missing internal argument and external argument



REFL = **semantically vacuous DP**:

- Triggers agreement and is assigned case like other DPs \Rightarrow accounts for position of zə-
- Does not have an index \Rightarrow does not trigger Condition B/C violation when REFL moves to Spec,TP.

Implications

Syntactic ergativity effects in anaphor binding necessitate a structural account.

DP_{ABS} is the **surface subject** of the clause: it c-commands all other arguments, including DP_{ERG}.

Local subject oriented reflexives in other languages

E.g. selsi in French and Italian (Rizzi 1986; Sportiche 2014, a.o.); -koL in Kannada (Lidz 1996, 2001) French se (Sportiche 2014:104)

Can be bound by a deep subject:

présente Pierre (13) Jean_i se_i Jean to-himself introduces Pierre

| Cannot be bound by a derived subject:

(14) * Pierre_i se_i sera présenté Pierre to-himself will-be introduced

'I danced for myself.'

A derived subject cannot bind se (14) Pierre_i *binding

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Reciprocal: ERG>IO **Agent-** Tense- Root 3ABS- **REC.IO**- 1PL.ERG- PRS- give 'We are giving it to each other.'

Directionality of reciprocal binding **Theme** IO Agent ERG > IO < ABS ABS > ERG > IOABS ABS >

 \Rightarrow DP_{ABS} c-commands DP_{ERG} and DP_{IO}

1. In an ABS-IO frame (ABS=agent; IO=theme), reciprocal marker replaces the **indirect object** marker.

2. In an ERG_i-IO_i-ABS frame, reciprocal marker replaces the **applied object** marker.