

PROPOSAL

- Relative Clauses(RCs) in Georgian provide examples of **Williams Cycle** effects, as in *wh*-questions (Bondarenko 2024)
- The Size (Landing Site)** of a RC on the functional spine directly correlates to the ability or inability for extraction to clauses as a function of the size of the clause the head noun is extracted from.
- Parallel Derivation** (Meadows 2024) derives the effects observed in RCs when compared with *wh*-extraction and long-distance-scrambling data.

INTRODUCTION

- Georgian has several strategies for forming RCs including *wh*-phrase headed RCs, *rom*-type RCs, and participial RCs (Foley 2013)

- (1) *me çavik̄itxe çigni ..*
1.SG 1.SG.read.PST book
'I read the book'
- a. *romeli-c rustavel-ma da-çera.*
which-COMP Rustaveli-ERG wrote
'... which Rustaveli wrote.'
- b. *rustavel-ma rom da-çera.*
Rustaveli-ERG COMP PVB-write.NMLZ
'... that Rustaveli wrote.'
- (2) *me çavik̄itxe rustavel-is*
1.SG 1.SG.read.PST Rustaveli-GEN
da-çer-il-i çigni
PVB-write-PTCP-NOM book.NOM
'I read the book that Rustaveli wrote.'

SIZES AND LANDING SITES

- Georgian RCs are an example of a **Williams Cycle effect**: a claim that the bigger the clause movement exits, the higher the landing site it must target.(Williams 2003)
- Growing body of literature displays similar facts across languages and language families (Keine 2016, Müller 2013, Meadows 2024)
- One account of Williams cycle effects that Georgian data specifically provide support for is termed Generalized Ban on Improper Movement (GBOIM) (Meadows 2023, Williams 2003; 2011)

- (3) **DEF. GBOIM** (Meadows 2024)
Movement to [Spec, XP] cannot proceed from [Spec, YP] or across YP, where Y is higher than X in the functional sequence.

KEY DATA

- C-Relativization and *rom*-relativizaiton are possible out of all complements^a.
- (4) *me da-v-inaxe mankana. . . }*
1.SG PVB-1.SG-saw car
'I saw the car. . . '
- a. {✓*romeli-c* *mariam-ma* {✓*rom*} *ipikra rom šota-m iqida.*
{which-COMP} Mariam-ERG {COMP} thought COMP Shota-ERG bought.
'... which Mariam thought that Shota bought.'
- b. {✓*romeli-c* *mariam-s* {✓*rom*} *unda rom mezobel-ma iqidos*
{which-COMP} Mariam-DAT {COMP} wants COMP neighbor-ERG buy.OPT.3SG
'... which Mariam wants the neighbor to buy.'
- c. {✓*romlis šeğebva-c* *mariam-ma daiçqo*} / {✓*mariam-ma rom daiçqo šeğebva*}
{which paint.NMLZ-COMP} Mariam-ERG started Mariam-ERG {COMP started paint.NMLZ}
'... of which Mariam started painting.'
- However, Participle relatives may only be formed by most speakers out of masdar; participles cannot combine with CP or TP (*rom*-headed) complements.
- (5) a. ✗*me vicnob mariam-is* <*ga-gonil*> *rom masçavlebel-i akebda* <*gagonil*>
1SG know Mariam-GEN <PVB-hear.PTCP> COMP teacher-NOM praise.3SG.IMPF <PVB-hear.PTCP>
mosçavle-s
student.DAT
Intended: 'I know the teacher mariam heard praising the student'
- b. ✓*me vicnob mariam-is keba* <*gagonil*> *mosçavle-s*
1SG know Mariam-GEN praise.NMLZ PVB-hear.PTCP student.DAT
'I know the teacher mariam heard to praise the student'

^aSome speakers find *wh*-relatives without pied-piping impossible out of masdars

THE SIZES OF THINGS

- In Georgian, verbs are restricted in their possible complements, suggesting they come in different sizes.
- (6) *Mariam-ma scada* {✗*rom* *çigni daçera* / ✓*rom* *çigni daeçera* / ✓*çign-is* *daçera*}
Mariam-ERG tried COMP book write.AOR COMP book write.PLUP book-GEN write.NMLZ
'Mariam tried {✗that she wrote a book / ✓that she might write a book / ✓writing a book }

RC type	High Adverbs	Tense	Matrix Case	Aspect	Negation	Projection
<i>wh</i> -rel	✓	✓	✓	✓	✓	~CP
<i>rom</i> -rel	✓	✓	✓	✓	✓	~CP
<i>participles</i>	?	?	✗	✓	✓	~ AspP
Complement of	High Adverbs	Matrix Case	Tense	Aspect	Negation	Projection
<i>daiçqvebs</i> 'start'	✗	✗	✗	✗	✓?	NegP/ <i>v</i> P
<i>unda</i> 'want'	✗	✗	✗	<i>perfective only</i>	✓	~ TP
<i>xedavs</i> 'see' (<i>indirect</i>)	✓	✓	✓	✓	✓	~CP
<i>pikrobs</i> 'think'	✓	✓	✓	✓	✓	~ CP

OTHER ASYMMETRIES

- Wh-elements may not be extracted from most complements (Bondarenko 2024), but may from *unda* type complements; Bondarenko suggests this to be an example of Williams Cycle effect.
- (7) a. **ra-s₁* *pikrob-s* *mariam-i* [*rom šota t₁ çam-s*]?
what-DAT think-3.SG.PRES Mariam-NOM COMP Shota eat-3.SG.PRES
Intended: 'What does Mariam think that Shota's eating?' (Bondarenko 2024)
- b. *šota-s* *ra₁* *unda* [*rom keti-m t₁ moigos*]
Shota-DAT what.NOM wants COMP Ket-i-ERG win.OPT.3SG
'What does Shota want Ket-i to win?' (Bondarenko 2024)

ACCOUNT

- I adopt Meadows' (2023) proposal of Parallel Derivation and Williams' (2003) Level Embedding Approach to account for Georgian data.
- (8) **Level-Embedding Approach**: The bigger an embedded clause is, the later in the derivation it is introduced into a matrix clause. Syntactic operations must target the periphery of the current clausal extended projection.
- (9) **Parallel Derivation**: Merge of components of clausal sequences applies in parallel across workspaces.
- (10) a. **V-cycle**
[V . . .]_m (matrix), [V . . .]_e (embedded)
- b. **vP-Cycle**: Masdar complement complete, must be merged
✓[*v*P [*v*] [. . . [VP [*v*P [. . .]_e [*daiç'qo*]]]]]_m
- c. **vP-Cycle**: TP-Complement incomplete, can't merge
✗[*v*P [*v*] [. . . [VP [*v*P [. . .]_e [*unda*]]]]]_m
- d. **T-Cycle**: TP complement complete, can and must be merged
✓ [TP [T] [. . . [VP [TP [. . . [VP [. . .]_e [*unda*]]]]]]]_m
- Only complements of sizes that merge before or at some cycle C_n can be targets for relativization at its time of derivation C_m, s.t *m* ≥ *n* in fseq.
- (11) **AspP-Cycle**: AspP or smaller complements can be targets for participles
[AspP [Asp] [. . .]]_m, [AspP [AspP] [. . .]]_e →
✓[AspP [Asp] [. . . [AspP [Asp] [. . .]]_e]]_m →
✓[DP [NP [AspP [Asp] [. . . [AspP . . .]]_e]]_m [N]] [D]]
- (12) **TP-Cycle**: TP+ complements cannot be participle targets; movement must target current projection.
[TP [T] [. . . [AspP . . .]]_m, [TP [T] . . .]_e →
✓[TP [TP [T] . . .]]_e . . .]]_m
✗[TP [T] [. . . [AspP [TP [T] . . .]]_e . . .]]_m

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