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## The Majang Language

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# **The Majang Language**

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# **The Majang Language**

Proefschrift

ter verkrijging van  
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volgens besluit van het College voor Promoties  
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geboren te Celle, Duitsland  
in 1968

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Andreas Joswig, Winsen/Aller, March 21, 2019

**List of abbreviations and symbols**

↓	morpheme downstep	<i>DEM</i>	demonstrative
[ ]	phonetic transcription, feature notation	DEM	differential ergative marking
//	phonemic transcription	<i>DFUT</i>	distant future
{ }	underlying (lexical) items in phonology section	<i>DIR</i>	directional derivation
< >	orthographic transcription	<i>DIST</i>	distal (far from speaker or hearer)
+	morpheme boundary	<i>DJ</i>	disjoint marking
=	clitic boundary	<i>DUR</i>	durative verb
#	word boundary	<i>ERG</i>	ergative
*	ungrammatical form or construction	<i>EV</i>	epenthetic vowel
		<i>EXT</i>	stem extension
<i>1S</i>	1 <sup>st</sup> person singular	F1, F2	formant 1, formant 2
<i>1P</i>	1 <sup>st</sup> person plural	<i>H</i>	high tone
<i>2S</i>	2 <sup>nd</sup> person singular	<i>HR</i>	close to the hearer
<i>2P</i>	2 <sup>nd</sup> person plural	<i>HORT</i>	hortative
<i>3S</i>	3 <sup>rd</sup> person singular	Hz	Hertz
<i>3P</i>	3 <sup>rd</sup> person plural	<i>IMP</i>	imperative/jussive
<i>A</i>	transitive agent	<i>IMPS</i>	impersonal form
<i>ABS</i>	absolutive	<i>INCHOA</i>	inchoative form
<i>AC</i>	anticausative	<i>INCPT</i>	inceptive derivation
<i>ADV</i>	adverbializer, adverb	<i>INF</i>	infinitive marker
<i>AP</i>	antipassive	IPA	International Phonetic Association
<i>ATR</i>	advanced tongue root		
<i>AUX</i>	auxiliary verb	<i>IPFV</i>	imperfective
<b>C</b>	consonant	<i>L</i>	low tone
<b>C1, C2</b>	first and second consonant in a consonant cluster	<b>L</b>	word downstep (floating <i>L</i> )
		<i>LOC</i>	locative
<i>CF</i>	centrifugal direction	<i>MEDPST</i>	medium past
<i>CJ</i>	conjoint marking	<i>MOD</i>	modified case form
<i>CND</i>	conditional marker	<i>NEG</i>	negative
<i>CONJ</i>	conjunction	<i>NFUT</i>	near future
<i>CONTR</i>	contrastive pronoun	<i>NOM</i>	nominative
<i>COP</i>	copula	<i>NOMIN</i>	nominalization
<i>CP</i>	centripetal direction	NP	noun phrase
<i>DAT</i>	dative		

<b>OCP</b>	Obligatory Contour Principle	<i>S</i>	intransitive subject; subject
<i>ORD</i>	ordinal number	<i>SA</i>	agent-like intransitive subject
<i>PFV</i>	perfective	<i>SFT</i>	sentence-final topicality marker
<i>P</i>	patient, transitive object	<i>SG</i>	singular
<i>PL</i>	plural	<i>SIMUL</i>	simultaneous form
<i>POSS</i>	possessive	<i>SP</i>	close to the speaker
<i>PRAG</i>	pragmatic particle	<i>SP</i>	patient-like intransitive subject
<i>PRCTV</i>	precative particle	<i>STV</i>	stative verb
<i>QUEST</i>	question particle	<i>SUB</i>	subordination marker
<i>QUOT</i>	speech-clause introduction	<b>TBU</b>	tone-bearing unit
<i>R</i>	syllable rhyme	<i>TF</i>	deictic transfer (from one deictic center to another)
<i>RECPST</i>	recent past	<b>V</b>	vowel; verb
<i>REF</i>	anaphoric reference	<b>VP</b>	verb phrase
<i>REFOBJ</i>	referential-object marker		
<i>REL</i>	relative marker		
<i>REL PST</i>	relative past		
<i>REMPST</i>	remote past		

## List of bound morphemes

The following is an alphabetic list of all bound morphemes of the Majang language, as encountered in this work. **V** in a prefix stands for the first stem vowel in a total vowel harmony context. In a suffix it refers to the class vowel of the verb (**a**, **ɛ**, or **i**). The following tonal conventions are used to refer to the underlying tone of the morpheme:

- **-i** (no tone indicated): a toneless morpheme – the morpheme copies the previous tone.
- **-ī**: the morpheme takes the polar (opposite) tone of the previous tone.
- **-ĩ**: the morpheme’s high tone replaces all other tones on the stem.

In brackets for each morpheme a reference points to the relevant lowest-level numbered section where information on this morpheme is given.

Form	Gloss	Allomorphs	Function
<b>-a</b>	<i>DIR</i>		derivation with an expelling or completive sense (IV.2.2.4)
<b>-á<sup>L</sup></b>	<i>PL.ABS.MOD,</i> <i>PL.NOM,</i> <i>PL.NOM/ERG.MOD,</i>	<b>-a<sup>L</sup></b>	plural nominative, plural modified absolutive and plural modified nominative/ergative marker for <b>á<sup>L</sup></b> - or <b>ak<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-á</b>	<i>IS.DJ</i>	<b>-a<sup>L</sup>, -ái, -a:</b>	<i>Is</i> disjoint for all verbs (IV.2.3.1)
<b>-à</b>	<i>IS.CJ</i>		<i>Is</i> conjoint for all verbs (IV.2.3.1)
<b>-a<sup>L</sup></b>	<i>DAT</i>	<b>-á<sup>L</sup>, -à, -ái, -ǎ:</b>	dative case marker for most NP constituents (IV.1.3.2)
<b>-a<sup>L</sup></b>	<i>SG.ABS,</i> <i>SG.NOM/ERG.MOD</i>		singular absolutive and singular modified ergative/nominative marker for <b>a<sup>L</sup></b> -singular nouns (IV.1.3.1)
<b>-áj<sup>L</sup></b>	<i>NOM</i>		nominative marker of <b>òm</b> ‘one’ (IV.3.2.1)
<b>-áir</b>	<i>CF</i>		centrifugal-direction marker for a-class verbs (IV.3.3.1)
<b>-áitò</b>	<i>PL.ERG</i>		plural ergative marker for <b>áitòk<sup>L</sup></b> -plural nouns (IV.1.3.1)

Form	Gloss	Allomorphs	Function
- <b>áts<sup>L</sup></b>	<i>PL.ABS.MOD,</i> <i>PL.NOM,</i> <i>PL.NOM/ERG.MOD</i>		plural nominative, plural modified absolute, and plural modified nominative/ergative marker for <b>átsk<sup>L</sup></b> -plural nouns (IV.1.3.1)
- <b>átsk<sup>L</sup></b>	<i>PL.ABS</i>		plural plain absolute marker for <b>átsk<sup>L</sup></b> -plural nouns (IV.1.3.1)
- <b>ák</b>	<i>IMP.SG</i>		imperative singular marker (IV.2.3.4)
- <b>ák<sup>L</sup></b>	<i>PL.ABS, PL</i>	<b>-ák<sup>L</sup>, -ák, -ak</b>	plural plain absolute marker for <b>ák<sup>L</sup></b> - or <b>ak<sup>L</sup></b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
- <b>áks<sup>L</sup></b>	<i>PL.ABS,</i> <i>PL.NOM/ERG.MOD</i>		plural absolute, and plural modified nominative/ergative marker for <b>áks<sup>L</sup></b> -plural nouns (IV.1.3.1)
- <b>áksk<sup>L</sup></b>	<i>PL.NOM</i>		plural plain nominative marker for <b>áks<sup>L</sup></b> -plural nouns (IV.1.3.1)
- <b>áksk<sup>L</sup></b>	<i>PL.ERG</i>		plural plain ergative marker for <b>áks<sup>L</sup></b> -plural nouns (IV.1.3.1)
- <b>áltá<sup>L</sup></b>	<i>DAT</i>		dative marker of <b>òm</b> 'one' (IV.3.2.1)
- <b>áltè</b>	<i>LOC</i>		locative marker of <b>òm</b> 'one' (IV.3.2.1)
- <b>án<sup>L</sup></b>	<i>INF, NEG</i>	<b>-án<sup>L</sup>, -on<sup>L</sup></b>	infinitive marker, negative verb marker (IV.2.2.1)
- <b>án</b>	<i>PL.ABS, PL</i>		plural absolute marker for <b>án</b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
- <b>án<sup>L</sup></b>	<i>PL.NOM/ERG.MOD</i>		plural modified nominative/ergative marker for <b>án</b> -plural nouns (IV.1.3.1)
- <b>án<sup>L</sup></b>	<i>SG.ABS,</i> <i>SG.NOM/ERG.MOD</i>	<b>-án<sup>L</sup></b>	singular absolute and singular modified nominative/ergative marker for <b>án(t)<sup>L</sup></b> or <b>an(t)<sup>L</sup></b> -singular nouns (IV.1.3.1)
- <b>ân</b>	<i>PL.ERG</i>		plural plain ergative marker for <b>ân</b> -plural nouns (IV.1.3.1)

Form	Gloss	Allomorphs	Function
<b>-ánt<sup>L</sup></b>	<i>SG.NOM, SG.LOC,</i> <i>SG</i>	<b>-ánt</b>	singular plain nominative and locative marker for <b>án(t)<sup>L</sup></b> - or <b>an(t)<sup>L</sup></b> -singular nouns, and their singular formative for dative and possessive case (IV.1.3.1)
<b>-ânt<sup>L</sup></b>	<i>SG.ERG</i>		singular plain ergative marker for <b>án(t)<sup>L</sup></b> - or <b>an(t)<sup>L</sup></b> -singular nouns (IV.1.3.1)
<b>-ár</b>	<i>3P.DJ</i>		<i>3P</i> disjoint marker for a-class verbs (IV.2.3.1)
<b>-àr</b>	<i>3P.CJ</i>		<i>3P</i> conjoint marker for a-class verbs (IV.2.3.1)
<b>-ǎr</b>	<i>2P.DJ</i>	<b>-ǎrí</b>	<i>2P</i> disjoint marker for a-class verbs (IV.2.3.1)
<b>-àrd</b>	<i>REL PST. 3P,</i> <i>REF OBJ. 3P</i>		<i>3P</i> relative-past marker and <i>3P</i> referential-object marker for a-class verbs (IV.2.3.2)
<b>-àri</b>	<i>2P.CJ</i>		<i>2P</i> conjoint marker for a-class verbs (IV.2.3.1)
<b>-árkej</b>	<i>INCHOA</i>		<i>2P</i> and <i>3P</i> inchoative subordinate-tense formative for a-class verbs (IV.2.3.2) preceding <i>TF</i>
<b>-árkíd</b>	<i>REL PST. CP. 3P,</i> <i>REF OBJ. CP. 3P</i>		<i>3P</i> centripetal relative-past marker, and <i>3P</i> centripetal referential-object marker for a-class verbs (IV.2.3.3)
<b>-d</b>	<i>REL PST. 3S,</i> <i>REF OBJ. 3S,</i> <i>REL PST, REF OBJ</i>		<i>3S</i> relative-past marker, and <i>3S</i> referential-object marker for a-class verbs, also their relative-past formative for <i>1s</i> , <i>2s</i> and <i>1P</i> forms (IV.2.3.2)
<b>-di<sup>L</sup></b>	<i>AP. 3S, AP. 3P, AP,</i> <i>AC. 3S, AC. 3P, AC</i>	<b>-di:</b>	<i>3S/3P</i> detransitivization (antipassive or anticausative) marker for $\epsilon$ - and <i>i</i> -class verbs, and their detransitivization formative for all other persons (IV.2.2.2)
<b>-dû</b>	<i>3P</i>		<i>3P</i> marker for some <i>u</i> -class stative verbs (IV.2.4.3)
<b>-e</b>	<i>LOC</i>	<b>-è, -é</b>	locative marker for nouns, usually singular (IV.1.3.2)

Form	Gloss	Allomorphs	Function
<b>-er<sup>L</sup></b>	<i>PL.ABS, PL</i>		plural absolutive marker for <b>er<sup>L</sup></b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
<b>-èr</b>	<i>PL.ERG</i>		plural plain ergative marker for <b>er<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-èr</b>	<i>PL.ABS, PL.ERG</i>	<b>-è:r</b>	plural plain absolutive and plural plain ergative marker for <b>èr</b> -plural nouns (IV.1.3.1)
<b>-ér<sup>L</sup></b>	<i>PL.NOM, PL.NOM/ERG.MOD</i>		plural nominative and plural modified nominative/ergative marker for <b>er<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-ε</b>	<i>LOC</i>	<b>-é, -ε<sup>L</sup></b>	locative marker, mostly for possessive pronouns and plural nouns (IV.1.3.2)
<b>-ε<sup>L</sup></b>	<i>PL.ABS, PL.NOM/ERG.MOD</i>	<b>-è</b>	plural absolutive and plural modified nominative/ergative marker for <b>ε<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-é</b>	<i>3S.DJ</i>	<b>-é</b>	3s disjoint marker for ε-class verbs (IV.2.3.1)
<b>-è</b>	<i>ERG</i>		ergative marker for possessive pronouns (IV.3.1.4)
<b>-è</b>	<i>HR</i>		hearer-deixis marker for demonstratives and relative pronouns (IV.3.1.5)
<b>-è</b>	<i>3S.CJ</i>	<b>-è</b>	3s conjoint marker for ε-class verbs (IV.2.3.1)
<b>-é<sup>L</sup></b>	<i>NOM</i>		nominative marker for possessive pronouns (IV.3.1.4)
<b>-é<sup>L</sup></b>	<i>IMP.PL</i>		imperative plural marker (IV.2.3.4)
<b>-é:<sup>L</sup></b>	<i>INF, NEG</i>	<b>-é:<sup>L</sup></b>	infinitive and negative marker for ε-class verbs (IV.2.2.1)
<b>-è:</b>	<i>IMPS.CJ</i>	<b>-è</b>	conjoint impersonal marker (IV.2.3.1)
<b>-é:<sup>L</sup></b>	<i>IMPS</i>	<b>-é:<sup>L</sup></b>	disjoint impersonal marker (IV.2.3.1)
<b>-ε:d</b>	<i>REL PST. 3S, REFOBJ. 3S, REL PST, REFOBJ</i>	<b>-ε:d</b>	3s relative-past and referential-object marker for ε-class verbs, and their formative for other persons of <i>REL PST</i> and <i>REFOBJ</i> verbs (IV.2.3.2)

Form	Gloss	Allomorphs	Function
- <b>éɗ</b>	<i>INF, NEG</i>	- <b>éɗ</b>	infinitive and negative marker for $\epsilon$ -class verbs (IV.2.2.1)
- <b>ɛk</b>	<i>PL</i>		plural formative for dative, locative and possessive cases of $\epsilon^L$ -plural nouns (IV.1.3.1)
- <b>é<sup>L</sup>k<sup>L</sup></b>	<i>PL.NOM</i>		plain plural nominative marker for $\epsilon^L$ -plural nouns (IV.1.3.1)
- <b>êk</b>	<i>PL.ERG</i>		plain plural ergative marker for $\epsilon^L$ -plural nouns (IV.1.3.1)
- <b>éɾ</b>	<i>CF</i>	- <b>éɾ</b>	centrifugal-direction formative for <i>1s</i> , <i>2s</i> and <i>1P</i> forms of $\epsilon$ -class verbs (IV.2.3.3)
- <b>èɾ</b>	<i>2P.CJ</i>	- <b>èɾ</b>	<i>2P</i> conjoint marker for $\epsilon$ -class verbs (IV.2.3.1)
- <b>êɾ</b>	<i>CF.3S</i>	- <b>êɾ</b>	<i>3S</i> centrifugal-direction marker for $\epsilon$ -class verbs (IV.2.3.3)
- <b>ěɾ</b>	<i>2P.DJ</i>	- <b>èrí</b> , - <b>ěɾ</b> , - <b>èrí</b>	<i>2P</i> disjoint marker for $\epsilon$ -class verbs (IV.2.3.1)
- <b>ɛt</b>	<i>INF, NEG</i>	- <b>ɛt</b>	infinitive and negative marker for $\epsilon$ -class verbs (IV.2.2.1)
- <b>é<sup>L</sup>tàɾ</b>	<i>CF.3P.CJ</i>	- <b>é<sup>L</sup>tàɾ</b>	<i>3P</i> conjoint centrifugal-direction marker for $\epsilon$ -class verbs (IV.2.3.3)
- <b>é<sup>L</sup>ˀtár</b>	<i>CF.3P.DJ</i>	- <b>é<sup>L</sup>ˀtár</b>	<i>3P</i> disjoint centrifugal-direction marker for $\epsilon$ -class verbs (IV.2.3.3)
- <b>é<sup>L</sup>tàɾò</b>	<i>CF.2P</i>	- <b>é<sup>L</sup>tàɾò</b>	<i>2P</i> centrifugal-direction marker for $\epsilon$ -class verbs (IV.2.3.3)
- <b>ɛɾ</b>	<i>INCPT</i>	- <b>ɛɾ</b> , - <b>éɾ</b> , - <b>éɾ</b>	inceptive-derivation marker for $\epsilon$ -class verbs (IV.2.2.3)
- <b>ɛɾ<sup>L</sup></b>	<i>3P.DJ</i>	- <b>ɛɾ<sup>L</sup></b>	<i>3P</i> disjoint marker for $\epsilon$ -class verbs (IV.2.3.1)
- <b>èɾ</b>	<i>3P.CJ</i>	- <b>èɾ</b>	<i>3P</i> conjoint marker for $\epsilon$ -class verbs (IV.2.3.1)
- <b>ɛɾɗ</b>	<i>REL PST.3P, REF OBJ.3P</i>	- <b>ɛɾɗ</b>	<i>3P</i> relative-past marker and referential-object marker for $\epsilon$ -class verbs (IV.2.3.2)
- <b>é<sup>L</sup>ɾɗ<sup>L</sup></b>	<i>REL PST.2P, REF OBJ.2P</i>	- <b>é<sup>L</sup>ɾɗ<sup>L</sup></b>	<i>2P</i> relative-past marker, and referential-object marker for $\epsilon$ -class verbs (IV.2.3.2)

Form	Gloss	Allomorphs	Function
<b>-érgè:d</b>	<i>TF.3P.DJ</i>	<b>-érgè:d</b> <b>-érgè:<sup>L</sup></b>	3 <i>P</i> disjoint deictic-transfer direction marker for ε-class verbs (IV.2.3.3)
<b>-ér<sup>l</sup>gè:d</b>	<i>TF.3P.CJ</i>	<b>-ér<sup>l</sup>gè:d</b> <b>-érgè:<sup>L</sup></b>	3 <i>P</i> conjoint deictic-transfer direction marker for ε-class verbs (IV.2.3.3)
<b>-érgidɔ</b>	<i>TF.2P.CJ</i>	<b>-érgidɔ</b>	2 <i>P</i> conjoint deictic-transfer direction marker for ε-class verbs (IV.2.3.3)
<b>-érgidɔ<sup>L</sup></b>	<i>TF.2P.DJ</i>	<b>-érgidɔ<sup>L</sup></b>	2 <i>P</i> disjoint deictic-transfer direction marker for ε-class verbs (IV.2.3.3)
<b>-èrkí</b>	<i>CP.3P.DJ</i>	<b>-èrkí</b>	3 <i>P</i> disjoint centripetal-direction marker for ε-class verbs (IV.2.3.3)
<b>-èrkì</b>	<i>CP.3P.CJ</i>	<b>-èrkì</b>	3 <i>P</i> conjoint centripetal-direction marker for ε-class verbs (IV.2.3.3)
<b>-g</b>	<i>PL</i>		plural marker for demonstratives and relative pronouns (IV.3.1.2)
<b>-gè:d</b>	<i>TF.3S.DJ,</i> <i>TF.3P.DJ</i>	<b>-gè:<sup>L</sup></b>	3 <i>S</i> and 3 <i>P</i> disjoint deictic-transfer direction marker (IV.2.3.3)
<b>-gè:d</b>	<i>TF.3S.CJ,</i> <i>TF.3P.CJ</i>	<b>-gè:<sup>L</sup></b>	3 <i>S</i> and 3 <i>P</i> conjoint deictic-transfer direction marker (IV.2.3.3)
<b>-gíd</b>	<i>TF</i>	<b>-gúd</b>	deictic-transfer direction marker for first and second person forms (IV.2.3.3)
<b>-i<sup>L</sup></b>	<i>PL.ABS,</i> <i>PL.NOM/ERG.MOD</i>		plural absolutive and plural modified nominative/ergative formative for <b>i<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-í</b>	<i>3S.DJ</i>	<b>-ú, î</b>	3 <i>S</i> disjoint marker for i-class verbs (IV.2.3.1)
<b>-ì</b>	<i>3S.CJ</i>	<b>-ù</b>	3 <i>S</i> conjoint marker for i-class verbs (IV.2.3.1)
<b>-ì</b>	<i>PL.ERG</i>		plain plural ergative marker for <b>ik<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-ì</b>	<i>SP</i>		speaker-deixis marker for demonstratives and relative pronouns (IV.3.1.2)
<b>-i<sup>L</sup></b>	<i>PL.NOM,</i> <i>PL.NOM/ERG.MOD</i>		plural nominative and plural modified ergative marker for <b>ik<sup>L</sup></b> -plural nouns (IV.1.3.1)

Form	Gloss	Allomorphs	Function
-i <sup>L</sup>	INF, NEG		infinitive and negative marker for i-class verbs (IV.2.2.1)
-i <sup>L</sup>	AP.3S, AP.3P, AP, AC.3S, AC.3P, AC	-i	3S/3P detransitivization (antipassive or anticausative) marker for a-class verbs, and their detransitivization formative for all other persons (IV.2.2.2)
-i <sup>L</sup>	INF, NEG	-i <sup>L</sup>	infinitive and negative marker for i-class verbs (IV.2.2.1)
-i	IP.CJ		IP conjoint marker for all verbs (IV.2.3.1)
-i <sup>L</sup>	IP.DJ		IP disjoint marker for all verbs (IV.2.3.1)
-iɗ	REL PST.3S		3S relative-past and referential-object marker for i-class verbs (IV.2.3.2)
-iɗ	INF, NEG		infinitive and negative marker for i-class verbs (IV.2.2.1)
-iɗ	REL PST		relative-past formative for 1s, 2s and IP forms for i-class verbs (IV.2.3.2)
-iɾ	CF		centrifugal-direction formative for 1s, 2s and IP forms for i-class verbs (IV.2.3.3)
-iɾ	CF.3S		3S centrifugal-direction marker for i-class verbs (IV.2.3.3)
-iɾ	2P.DJ	-iɾi	2P disjoint marker for i-class verbs (IV.2.3.1)
-iɾ <sup>L</sup>	PL.ABS, PL	-iɾ	plural absolutive marker for iɾ <sup>L</sup> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
-iɾi	2P.CJ		2P conjoint marker for i-class verbs (IV.2.3.1)
-iɾt	INF, NEG		infinitive and negative marker for i-class verbs (IV.2.2.1)
-iɾtɾ	CF.3P.CJ		3P conjoint centrifugal-direction marker for i-class verbs (IV.2.3.3)
-iɾtɾ	CF.3P.DJ		3P disjoint centrifugal-direction marker for i-class verbs (IV.2.3.3)

Form	Gloss	Allomorphs	Function
-ítàrò	CF.2P		2P centrifugal-direction marker for i-class verbs (IV.2.3.3)
-ík <sup>L</sup>	PL.ABS, PL	-ík	plain plural absolutive marker for ík <sup>L</sup> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
-ín	2S.DJ	-ún, -in <sup>L</sup> , -un <sup>L</sup>	2S disjoint marker for all verbs (IV.2.3.1)
-in	2S.CJ	-ùn	2S conjoint marker for all verbs (IV.2.3.1)
-ir	INCPT	-ur	inceptive-derivation marker for i-class verbs (IV.2.2.3)
-ìr	3P.CJ	-ùr	3P conjoint marker for i-class verbs (IV.2.3.1)
-îr	CF.3S	-ûr	3S centrifugal-direction marker for a-class verbs (IV.2.3.3)
-ir <sup>L</sup>	3P.DJ	-ur <sup>L</sup>	3P disjoint marker for i-class verbs (IV.2.3.1)
-ir <sup>L</sup> dí	REL PST. 3P, REF OBJ. 3P	-ur <sup>L</sup> dú	3P relative-past and referential-object marker for i-class verbs (IV.2.3.2)
-írdó <sup>L</sup>	REL PST. 2P, REF OBJ. 2P	-úrdó <sup>L</sup>	2P relative-past and referential-object marker for i-class verbs (IV.2.3.2)
-ìrkí	CP.3P.DJ	-ùrkú	3P disjoint centripetal-direction marker for i-class verbs (IV.2.3.3)
-ìrkì	CP.3P.CJ	-ùrkù	3P conjoint centripetal-direction marker for i-class verbs (IV.2.3.3)
-jù	3P	-jú	3P marker for some u-class stative verbs (IV.2.4.3)
-k	EXT		stem extension, separates verbal stems ending in a vowel from inflectional morphology (IV.2.3.1)
-k	POSS	-ik, -uk	possessive-case marker for pronouns and some nouns (IV.1.3.2)
-k	IMP.SG	-ík, -úk	imperative singular marker (IV.2.3.4)
-k	CP.3S, CP		3S centripetal-direction marker for a-class verbs, and centripetal-direction formative for all other verbs (IV.2.3.3)

Form	Gloss	Allomorphs	Function
=k	<i>SUB</i>	<b>ḡónk</b>	subordinate-clause marker at the end of many subordinate clauses (V.8.2)
-k <sup>L</sup>	<i>PL.ABS, PL</i>		plural absolutive marker for <b>k<sup>L</sup></b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
<b>k-</b>	<i>NEG</i>		negative auxiliary (V.7.2)
-kà:	<i>INF.SG.ABS</i>		infinitive absolutive marker for stative verbs (IV.2.4.2)
-ká: <sup>L</sup>	<i>INF.SG.NOM/ ERG.MOD</i>		infinitive modified nominative and ergative marker for stative verbs (IV.2.4.2)
-káj	<i>INCHOA</i>	<b>-kěj</b>	inchoative-subordinate tense formative for 1 <sup>st</sup> and 2 <sup>nd</sup> person verbs (IV.2.3.2)
-kám	<i>NOMIN.PL</i>		plural agent nominalizations from non-agent nouns (IV.1.2)
-kà:t	<i>INF</i>		infinitive formative for stative verbs (IV.2.4.2)
-ká:t <sup>L</sup>	<i>INF.SG.NOM</i>		singular plain nominative infinitive marker for stative verbs (IV.2.4.2)
-kâ:t	<i>INF.SG.ERG</i>		singular plain ergative infinitive marker for stative verbs (IV.2.4.2)
-kàk	<i>PL</i>	<b>-kàk, -kà</b>	plural formative for <b>kàk</b> -plural nouns (IV.1.3.1)
-kàn	<i>NOMIN</i>		agent nominalizations from non-agent nouns (IV.1.2)
-kém	<i>NOMIN</i>	<b>-kè:m</b>	abstract nominalizations from non-abstract nouns (IV.1.2)
-kě <sup>L</sup>	<i>INCHOA.3S, INCHOA.3P</i>		3 <sup>S</sup> and 3 <sup>P</sup> inchoative subordinate-tense marker (IV.2.3.2)
-kù	<i>PL.ERG</i>		plural plain ergative marker for <b>kuk<sup>L</sup></b> -plural nouns (IV.1.3.1)
-kú <sup>L</sup>	<i>PL.ABS.MOD, PL.NOM/ERG.MOD, PL.NOM</i>		plural nominative, plural modified absolutive and plural modified nominative/ergative marker for <b>kuk<sup>L</sup></b> -plural nouns (IV.1.3.1)

Form	Gloss	Allomorphs	Function
<b>-kún</b>	<i>SIMUL</i>		simultaneous subordinate tense formative for <i>1s</i> , <i>2s</i> and <i>1p</i> verbs (IV.2.3.2)
<b>-kùn</b>	<i>SIMUL.3s</i>		<i>3s</i> simultaneous subordinate tense marker (IV.2.3.2)
<b>-kuk<sup>L</sup></b>	<i>PL.ABS, PL</i>	<b>-kuk</b>	plural plain absolutive marker for <b>kuk<sup>L</sup></b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
<b>-n</b>	<i>SG</i>		singular marker for demonstratives and relative pronouns (IV.3.1.2)
<b>-n<sup>L</sup></b>	<i>SG.ABS,</i> <i>SG.NOM/ERG.MOD</i>	<b>-ín<sup>L</sup>, -ún<sup>L</sup>,</b> <b>-án<sup>L</sup>, -ìn, -ùn,</b> <b>àn</b>	singular absolutive and singular modified nominative/ergative marker for <b>n(t)<sup>L</sup></b> -singular nouns (IV.1.3.1)
<b>-nt<sup>L</sup></b>	<i>SG.NOM, SG</i>	<b>-ínt<sup>L</sup>, -únt<sup>L</sup>,</b> <b>-ánt<sup>L</sup>, -ínt,</b> <b>-únt, -ánt</b>	plain singular nominative marker for <b>n(t)<sup>L</sup></b> -singular nouns, and their singular formative for dative, locative and possessive case (IV.1.3.1)
<b>=ŋ</b>	<i>SFT, CND</i>	<b>=iŋ, =uŋ</b>	sentence-final topicality marker (III.4) and conditional-clause marker (on the protasis, V.8.3.2)
<b>-onk</b>	<i>POSS</i>	<b>-ònk, -ònk</b>	possessive marker for most nouns (IV.1.3.2)
<b>-ò</b>	<i>DIST</i>		distal deixis marker for demonstratives and relative pronouns (IV.3.1.2)
<b>-ò</b>	<i>PL.ERG</i>	<b>-ò</b>	plural plain ergative marker for <b>òk<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-ò</b>	<i>2P.CJ</i>		<i>2P</i> conjoint marker for many complex verbs (IV.2.3.2)
<b>-ò<sup>L</sup></b>	<i>2P.DJ</i>		<i>2P</i> disjoint marker for many complex verbs (IV.2.3.2)
<b>-ò<sup>L</sup></b>	<i>PL.ABS.MOD,</i> <i>PL.NOM,</i> <i>PL.NOM/ERG.MOD</i>		plural nominative, plural modified absolutive and plural modified nominative/ergative marker for <b>òk<sup>L</sup></b> -plural nouns (IV.1.3.1)
<b>-òk<sup>L</sup></b>	<i>PL.ABS, PL</i>	<b>-òk</b>	plural plain absolutive marker for <b>òk<sup>L</sup></b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)

Form	Gloss	Allomorphs	Function
-ʒn <sup>L</sup>	INF, NEG		infinitive and negative marker (IV.2.2.1)
-r	CF		centrifugal-direction formative for <i>1s</i> , <i>2s</i> and <i>1P</i> a-class verbs (IV.2.3.3)
-tán	NOMIN.PL		plural agent nominalizations from verbs (IV.2.2.1)
-tàn	NOMIN		agent nominalizations from verbs (IV.2.2.1)
-tár	CF.3P.CJ		<i>3P</i> conjoint centrifugal-direction marker for a-class verbs (IV.2.3.3)
-tár	CF.3P.DJ		<i>3P</i> disjoint centrifugal-direction marker for a-class verbs (IV.2.3.3)
-tárò	CF.2P		<i>2P</i> centrifugal direction-marker for a-class verbs (IV.2.3.3)
-tù	3P		<i>3P</i> marker for some u-class stative verbs (IV.2.4.3)
-tùn	PL.ABS, PL		plural plain absolutive marker for <b>tùn</b> -plural nouns, and their plural formative for dative, locative and possessive case (IV.1.3.1)
-tún	PL.ERG		plural plain ergative marker for <b>tùn</b> -plural nouns (IV.1.3.1)
-tűn	PL.ABS.MOD		plural modified absolutive marker for <b>tùn</b> -plural nouns (IV.1.3.1)
-tún <sup>L</sup>	PL.NOM/ERG.MOD		plural modified nominative/ergative marker for <b>tùn</b> -plural nouns (IV.1.3.1)
tV-	INF		infinitive prefix, copies stem vowel (IV.2.2.1)
-V:ɖ	DIR		directional derivation marker
-Vrdò <sup>L</sup>	REL PST.2P, REF OBJ.2P		<i>2P</i> relative-past marker and <i>2P</i> referential-object marker (IV.2.3.2)
-Vrgê:ɖ	TF.3P.DJ	-Vrge <sup>L</sup>	<i>3P</i> disjoint deictic-transfer direction marker (IV.2.3.3)
-Vr'gê:ɖ	TF.3P.CJ	-Vrge <sup>L</sup>	<i>3P</i> conjoint deictic-transfer direction marker (IV.2.3.3)

Form	Gloss	Allomorphs	Function
- <b>Ṽrgidḡ</b>	<i>TF.2P.CJ</i>		2 <i>P</i> conjoint deictic-transfer direction marker (IV.2.3.3)
- <b>Ṽrgidḡ<sup>L</sup></b>	<i>TF.2P.DJ</i>		2 <i>P</i> disjoint deictic-transfer direction marker (IV.2.3.3)
- <b>Ṽrk</b>	<i>CP.3P</i>		3 <i>P</i> centripetal-direction marker (IV.2.3.3)
- <b>Ṽrkḡ</b>	<i>CP.2P.CJ</i>		2 <i>P</i> conjoint centripetal-direction marker (IV.2.3.3)
- <b>Ṽrkḡ<sup>L</sup></b>	<i>CP.2P.DJ</i>		2 <i>P</i> disjoint centripetal-direction marker (IV.2.3.3)
- <b>Ṽrkum</b>	<i>SIMUL.2P</i>		simultaneous-subordinate tense formative for 2 <i>P</i> verbs (IV.2.3.2)
- <b>Ṽrkùn</b>	<i>SIMUL.3P</i>		simultaneous-subordinate tense formative for 3 <i>P</i> verbs (IV.2.3.2)