**Sound correspondences in Continental languages**

**Proto-Continental phonology (c. 3200 ber)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Consonants | | | | | Vowels | | | |
|  | labial | coronal | palatal | dorsal |  |  | front | back |
| stop | p’ pʰ b | t’ tʰ d |  | k’ kʰ g |  | high | i | u |
| fricative |  | s |  | x~h |  | mid | (ǝ) | |
| nasal | m | n |  |  |  | low |  | ɑ |
| sonorant |  | r l | (j) | (w) |  |  |  |  |

Roots were mono-syllabic, of the forms V, VV, VC, VVC, CC, CV, CVC, CLC, CVV, CLV, CVVC, CLVC, or CLVV, where C is any consonant, V is any of the three “full” vowels (*i*, *u* or *ɑ*) and L is a sonorant *r* or *l*. An additional epenthetic vowel *ǝ* was used for prosodic purposes, appearing and disappearing based of stress patterns and syllable structure. Moreover, roots ending in a stop consonant could be *extended* by infixing *s* or a nasal *m/n* before that final consonant.

**Proto-Continental prosodic patterns**

Proto-Continental stress was dynamic, changing according to morphology. Stressed *i, u* in open syllables were diphthongized to *ǝi, ǝu* respectively; however, it didn’t happen in syllables with doubled vowels *aa, ii, uu*, which were generally pronounced as long *ā, ī, ū*. Where two different vowels occurred in a syllable, diphthongs were produced, turning the higher of the vowels (or the first if both were high) into a semivowel *j* or *w*.

Syllables with no underlying vowel acquired an epenthetic *ǝ* vowel, except in open unstressed syllables which were also preceded by an open syllable (the two-sided open syllable, or 2SOS, rule). Further complicated were syllables with a sonorant nucleus (such as CLC roots), in which the *ǝ* was added *before* the sonorant in *open* syllables, but *after* the sonorant in *closed* syllables, leading to alternations such as *pə́rkis* vs. *prə́ktu* for root PRK.

Finally, vowels in closed unstressed syllables were “weaker” i.e. pronounced more centralized. This affected reflexes in some daughter languages.

Summary of vowel reflexes:

|  |  |  |  |
| --- | --- | --- | --- |
|  | open str. | closed unstr. | other |
| Ø | ǝ | ǝ | ǝ, Ø 2SOS |
| a | ɑ | ɑ | ʌ |
| i | ǝj | ɪ | i |
| u | ǝw | ʊ | u |
| aa | ɑ: | ɑ: | ɑ: |
| ii | i: | i: | i: ~ iə |
| uu | u: | u: | u: ~ uə |

|  |  |  |  |
| --- | --- | --- | --- |
|  | open str. | closed unstr. | other |
| ai | ɑj | əi | ɑj |
| au | ɑw | əw | ɑw |
| ia | jɑ | jɑ | jʌ |
| iu | jǝw | jʊ | ju |
| ua | wɑ | wɑ | wʌ |
| ui | wǝj | wɪ | wi |

**Sound reflexes in daughter branches of Common Continental**

Consonants

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C. Cont. | | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| p | p’ | p, -↑Ø | p | p | p | p | p, -w | p |
| p’j | pj | #t, pt | pj | p, -pp- | c | pj | pl |
| p’w | pw | kʷ, p \_e,i | pw | kw | p | pw | k, ʦw \_e,i |
| t | t’ | t, -↑Ø | t | t | t | t | t, Ø 1 | t |
| t’j | tj | #s, ts | tj | ʦ, -tʦ- | c | ʨ | tj |
| t’w | tw | kʷ, p \_e,i | tw | kw | t | tw | tw |
| k | k’ | k, -↑Ø | k | k | k | k, ç \_e,i | k, -j | k |
| k’j | kj | ʃ | ʨ | ʧ | s | s | ʦ |
| k’w | kw | kʷ, p \_e,i | kw | p | kʋ, k \_e,i | kʷ | k, ʦw \_e,i |
| b | b | β, bm,#\_, -↓Ø | b, v V\_ | b, v 2 | b | b, f 2 | b, β̞ 2, -w | b, Ø 2 |
| bj | βj, bj m,#\_ | #d, vd | bj | b, -bb- | ɟ | bj | bl |
| bw | w | #w, gʷ, b \_e,i | w, -bw- | w, -gw- | b | w, -β̞- | w, -b- |
| d | d | ɻ, -Ø-, -↓Ø | d, ð V\_ | d, ð 2 | d | d, (ɾ, -θ) 2 | d, β̞\_r,l, -l-, Ø1 | d, Ø 2 |
| dj | ɻ, -Ø- | #z, dz | dj, j 3 | ʣ, -dʣ-, j 3 | ɟ | ʥ | dj, j 3 |
| dw | ɻ | gʷ, b \_e,i | dw | gw | b | dw | dw |
| g | g | β, gn,#\_, -↓Ø | g, Ø V\_ | g, ɣ 2+3 | g | g, ʝ \_e,i, ŋ\_n | g, ɰ 2+3, -j | g, (ɣ, -Ø) 2+3 |
| gj | j | j | ʥ, ʝ 2, j 3 | ʤ, j 2 | s, -ɾ- | ʝ | ʣ, ʒ2, j 3 |
| gw | w | gʷ, b \_e,i | gw, w 1 | b | #ʋ-, gʋ, g \_e,i | gʷ, -w- | g, ʣw \_e,i |
| ph | pʰ | p, -Ø↓ | f | f | f | f | #h-, f, -ɕ | f |
| pʰj | pj↓ | #t, pt | fj | f, -ff- | c | fj | fl |
| pʰw | pw↓ | ʍ | xw | xw | f, x \_e,i | ʍ~f | xw ~ ʍ |
| th | tʰ | t, -Ø↓ | h, ħ \_C,# | θ | θ | θ | s, f \_r, -t, Ø1 | θ |
| tʰj | tj↓ | #s, ts | θj | θ, -θθ- | ç | sj | sj |
| tʰw | tw↓ | sw | θw | xw | s | sw | sw |
| kh | kʰ | k, -Ø↓ | h, ħ \_C,# | x | x | #Ø, x | #h, x, -ɕ | x, k \_s |
| kʰj | kj↓ | ʃ | ç | ʃ | ç | ɕ | ʃ |
| kʰw | kw↓ | ʍ | xw | xw | f, x \_e,i | ʍ~f | xw ~ ʍ |
| s | s | s, -Ø# | s, -z | s | s | Ø-, -ɾ-, s | h, -ɾ-, ɾ V+str\_ | s, s: V:\_ |
| sj | sj | ʃ | sj | s, -ss- | ç | ɕ | sj |
| sw | sw | sw | sw | ʋ | ʍ~f | sw |
| h | x~h 4 | Ø, -k | Ø | h, -ç | Ø | Ø, f\_t,r,l,  s\_m,n | Ø, -ɕ | h, f\_t,r,l,  s\_m,n, Ø\_p,k |
| hj | j, -kj- | #Ø, ʃ | j | j | Ø, ʝ V\_V.str | #Ø, j, -ʝ- | j |
| hw | w, -kw- | #v, kʷ, -ʍ- | w | w | ʋ, Ø V\_V.un | w | w |
| m | m | m -n | m, Ø \_C, b \_r,l | m | m, -Ø 5 | m, -n | m, -ŋ~n | m, m: V:\_, ml\_j |
| n | n | n | n, Ø \_C, g \_r,l | n | n, -Ø 5 | n, ɲ \_j, Ø \_s | n | n, n: V:\_ |
| r | r | ɻ, -ɝ | r, -ɹ | r | r | ɾ, ʝ \_j | ɾ | r, r: V:\_ |
| l | l | n-, ɻ, -ɝ | l, ʃ \_h, -ɹ spor. | l | l | l, ʝ \_j | l, -ʎ | l, l: V:\_ |
| sp | sp’ | sp | sp, ʃ \_j | sp | sp | sp | f | sp |
| st | st’ | st | st, ʃ \_j | st | st | st | s, -ss- | st |
| sk | sk’ | sk | sk | sk | sk | sk | #h, x, -ɕ | sk |
| sk’j | skj | ʃ | ç | ʃ | ç | ɕ | ʃ |
| sk’w | skw | skʷ, sp \_e,i | skw | sp | skʋ, sk \_e,i | ʍ~f | sk, sw \_e,i |

Vowels

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C. Cont. | | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Ø | ǝ́ | á | á | é | é | e | e | é: |
| ǝ́R 6 | ɝ́: | Rá | ǝ́R | úR | aR | ɑR | ǝR |
| ǝ | ə | a, i op.un | ǝ | u~i | e, Ø op. | e | e, Ø op., a spor |
| a | ɑ | á, ə | a | ɑ | e op., (á, o) | ɑ | a |
| i | ǝ́j | áj op., é: | é, i | ɛ́:, éj \_V/# | e | iǝ 8, eʝ \_V/# | e 9 | ɛ, j-, ej# |
| i | e | i 10 | i, Ø op.un | i, e# un. | i, e# un. | i, Ø un.\_w,j |
| ɪ cl. un | ə | e | e | e | e | e, ɑ́ \_r,l | e |
| u | ǝ́w | ɔ́: op., ó: | ó, u | ɔ́:, ów \_V/# | o | uǝ 8, oʋ \_V/# | o 9, (ú, ɑ) op+o | ɔ, w-, ow# |
| u | o | u 10 | u, Ø op.un | u, o# un. | u, o# un. | u, Ø un.\_w,j |
| ʊ cl. un | ə | e | o | ɑ | o | o, (ú, ɑ) op+o | o |
| aa | ɑ: | a | ó op, a | a: | o | a | ɑ | a: |
| ii | i: | i | i | i: 10 | i | aj | i, e# un. | i: |
| iə 7 | #ʝe, je | je | #ʝe, e | #ʝe, je | #ʒe, je |
| uu | u: | u | u | u: 10 | u | a | u, o# un. | u: |
| uə 7 | #vo, wo | wɑ | ʋo | #β̞o, wo | #vo, wo |
| ai | ɑj | aj op., e: | áj op, e | áj, aj-, e | e | (áj, oj) 8, e | e ~ ɑj | (áj, i:) 8, aj-, e |
| əi cl. un | i | i 10 | i | i, e# un. | i, e# un. | i |
| au | ɑw | ɔ: op., o: | áw op, o | áw, aw-, o | oop, ɑ | o | o ~ ɑw | (áw, u:) 8, aw-, o |
| əu cl. un | u | u 10 | u | u, o# un. | u, o# un. | u |
| ia | jɑ | já, jə | #a, ja | #ʝa, ja | jɑ | [#ʝ+]a, o cl.un | #ʝɑ, jɑ | #ʒa, ja |
| ua | wɑ | wá, wə | va | #va, wa | wɑ | ʋe op., ʋo | #β̞ɑ, wɑ | #va, wa |
| ui | ― regular w+i ― | | | | | | | |
| iu | ― regular j+u ― | | | | | | | |
| i-ai | jɑj | jáj op., je: | jáj op, je | jáj, je | je | [#ʝ+] oj 8, e | #ʝe, je | já:, je |
| jəi c.u | je | #ʝe, je | je | #ʝe, e | #ʒe, je |
| i-au | jɑw | jɔ: op., jo: | jáw op, jo | jáw, jo | joop, jɑ | #ʝo, o | #ʝo, jo | jáw, jo |
| jəu c.u | ju | #ʝu, ju | ju | #ʝu, u | #ʝu, ju, jo# | #ʒu, ju |
| i-ua | ― regular i+wa ― | | | | | | | |
| i-ui | ― regular i+wi ― | | | | | | | |
| i-ii | ji: | je | je | #ʝe:, je: | je | i | #ʝe, je | #ʒe:, je: |
| jəj 7 | jɛ́:, je | je | iǝ 8, e | jɑ́, je | jɛ́, je |
| i-uu | ju: | ju | ju | #ʝu:, ju: | ju | #ʝa, a | #ʝu, ju, jo# | #ʒu, ju |
| jəu 7 | jo | jɔ́:, jo | joop, jɑ | [#ʝ+] uǝ 8, o | #ʝo, jo | jɔ́, jo |
| ― similarly for u-VV ― | | | | | | | | |

1 Before obstruents or word-finally; geminates the following consonant

2 Between a vowel and: an unstressed vowel; or a sonorant (*r, l, m, n*) followed by an unstressed vowel

3 In a group of common roots

4 Realized *g* before *b* or *d*; and *k* before *s* or between *s* and a consonant

5 With *compensatory lengthening* of the following consonant

6 R represents a sonorant *l* or *r*

7 In closed stressed or open unstressed syllables

8 Stressed in Áltheran

9 With *compensatory lengthening* of the following consonant in open stressed syllables

10 Lowered before the respective semivowel; thus universally in all Áltheran and all its descendants: *ij, īj, uw, ūw*  > *ej, ēj, ow, ōw*

**Common Continental phonotactics**

Common Continental was quite permissive with regard to consonant clusters — more than most modern-world languages but less so than, say, Russian or Berber. Word-initial and word-final constraints on clustering closely reflected the root structure listed above:

A word could begin in (1) any single consonant; (2) any consonant + {*r, l, w, j*};   
(3) *s* or *x* + any consonant; or (4) *s* + any stop + {*r, l, w, j*}. The *s* in (3) and (4) came either directly from unstressed (“weak”) CC roots or from a so-called *s*-*augment* which could preceed any root without a discernable change of meaning. Daughter languages would later normalize some stems with this preceding *s* and others without it.

Similarly, a word could only end in root-ending consonant combinations, that is (1) any single consonant or (2) {*s, n, r, l*}+ any consonant, from infix root extensions or CLC roots.

Word-medially, the situation was more interesting: a sequence of up to five consonants could form by juxtaposing the coda of a root with the onset of another root (in compounds) or a suffix. Here, various “blending” rules applied:

Medial blending, two consonants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | -ph | -p | -b | -th | -t | -d | -kh | -k | -g | -s | -h | -m | -n | -r | -l | -i | -u |
| ph- | ppʰ | ppʰ | bb | pʰt | pʰt | bʱd | pʰk | pʰk | bʱg | pʰs | pʰ | pʰm 1 | pʰn | pʰr | pʰl | pʰj | pʰw |
| p- | pp | pt | bd | pk | bg | ps | pm 1 | pn | pr | pl | pj | pw |
| b- | mm | bn | br | bl | bj | bw |
| th- | tpʰ | tʰp | dʱb | ttʰ,  stʰ (2 | st | zd | tʰk | | dgʱ | ss | tʰ | tʰm | tʰn | tʰr | tʰl | tʰj | tʰw |
| t- | pt | gb | tt,  st 2 | dd,  zd 2 | tkʰ | tk | dg | ts | tm 1 | tn | tr | tl | tj | tw |
| d- | dm | dn | dr | ll | dj | dw |
| kh- | kʰp | | gʱb | kʰt | kʰt | gʱd | kkʰ | kkʰ | gg | ks | kʰ | kʰm | kʰn | kʰr | kʰl | kʰj | kʰw |
| k- | kpʰ | kp | gb | kt | gd | kk | km 1 | kn | kr | kl | kj | kw |
| g- | gm | gn | gr | gl | gj | gw |
| s- | spʰ | sp | zb | stʰ | st | zd | skʰ | sk | zg | ss | ss | sm | sn | sr | sl | sj | sw |
| h- | xpʰ | xp | gb | xtʰ | xt | gd | xk | | gg | ks | xx | xm | sn | sr | sl | sj | sw |
| m- | mpʰ | mp | mb | ntʰ | mpt | mbd | ŋkʰ | ŋk | ŋg | mps | mh | mm | mn | mbr | mbl | mj | mw |
| n- | nt | nd | ns | nh | nm | nn | ndr | ndl | nj | nw |
| r- | rpʰ | rp | rb | rtʰ | rt | rd | rkʰ | rk | rg | rs | rh | rm | rn | rr | rl | rj | rw |
| l- | lpʰ | lp | lb | ltʰ | lt | ld | lkʰ | lk | lg | ls | lh | lm | ln | ldr | ll | lj | lw |

1 With a suffix (i.e. not in compounds), *pʰm* and *pm* > *mm*; *tm* > *dm*; and *km* > *gm*

2 Upper variant in compounds; lower with suffixes

Medial blending, three or more consonants

A sequence of more than two consonants could be formed as a result of combining   
[1] (**n/L**)**C+C**(**L**)or [2] (**n/L**)**C+sC**(**L**), where L represents a sonorant *r, l, w* or *j*; combinations of the type sC+C(L) ejected their *s* forwards, becoming CsC(L), thus falling within type [2].

Of the above table, clusters in *blue* could be suffixed by {*r, l, w, j*}; clusters in*red* could be prefixed by {*n, m, r, l*} and in *orange* also by *s* or *h*; clusters in *green* could be both prefixed by {*n, m, r, l*} and suffixed by {*r, l, w, j*}. Other combinations required an epenthetic vowel, normally either *-ə-* (with suffixes) or a copy of the previous vowel (in compounds).

**Reflexes of nominal endings in daughter branches**

A-declension (animate), main paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Sg. Masc. | n | ɑs | ə, Ø s,n,ɻ\_ | az | as | ə > Ø | os | ah > e | ə > Ø |
| a | ɑw | ɔ: | o | o | ɑ | o | o | o |
| g | ɑdi | əi > ej | iði, di 2SOS | aði | ɑ[d] | eɾe, ɾe 2SOS | ɑ́l | ai > i: |
| o | u | o | u | u | ə > Ø | o | o | u |
| v | ɑj |  | e | e | e | e | e | e |
| Sg. Fem. | n | ɑ | a: | a | a | ɑ | e | ɑ | a |
| a | ɑj | aj | e | e | e | e | e | e |
| g | ɑdi | əi > ej | iði, di 2SOS | áði | ɑ[d] | éɾe | ɑ́le | áj |
| o | i | e | i | i | ə > Ø | e | e | i |
| v | ɑj |  | e | e | e |  | e |  |
| Dual | n | ɑm | ən, n n,ɻ\_ | ájm | am ~ əm |  |  | ɑ́ŋ 1 | am ~ əm |
| a | ɑr | ɝ | aɹ | ar ~ ər |  |  | eɾ 1 | ər |
| g | ɑndi | áɻe | ádi | ándi |  | ánte 2 | ánde 1 | ándi |
| o | ɑmi | ãi > áj | imi | ami~əmi |  | éme | ɑ́me | (ə)mi |
| Pl. Masc. | n | ɑ́js ~ əis |  | ez | ájs, is | es | oj | íɾ | áj, Ø I-mut. |
| a | ɪs |  | ɪj > i | es | es | eh > i | es |
| g | ə́jsi ~ isi |  | éz | ɛ́:si, isi | ― | éɾe | si I-mut. (3 |
| o | ɑn |  | an | an ~ ən | ɑ | on | en | an ~ ən |
| Pl. Fem. | n | ɑj |  | e | áj, e | e | áj | ― | ai > i: |
| a | ɪd |  | eð > eɹ | eð | ed | áθ 4 | e: > ej |
| g | ə́jsi ~ isi |  | éz | ɛ́:si, isi | es | ― | (e)si |
| o | ɑn |  | an | an ~ ən | ɑ | en | en | an ~ ən |

A-declension (animate), -IA paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Sg. Masc. | n | jɑs | jə | (j)az | jas | jə > i | (j)os | jah > je | jə > i: |
| a | jɑw | jɔ: | (j)o | jo | (j)ɑ | (j)o | jo | jo |
| g | jadi | jəi > je: | iði | jaði | (j)ɑ[d] | (j)aɾe | jɑ́l | jai > je: |
| o | ju | jo | (j)o | ju | jə > i | (j)o | jo | ju |
| v | jɑj |  | (j)e | je | (j)e | (j)e | je | je |
| Sg. Fem. | n | jɑ | ja: | (j)a | ja | (j)ɑ | (j)a | jɑ | ja |
| a | jɑj | je: | (j)e | je | (j)e | (j)e | je | je |
| g | jadi | jəi > je: | iði | jáði | (j)ɑ[d] | (j)áɾe | jɑ́le | jáj ~ je: |
| o | i: | i | i | i: | i | aj 5 | e | i: |
| v | jɑj |  | (j)e | je | (j)e |  | je |  |
| Dual | n | jɑm | jən | (j)ájm | jam |  |  | jɑ́ŋ 1 | jam |
| a | jɑr | jɝ | (j)aɹ | jar |  |  | jeɾ 1 | jar |
| g | jɑndi | jáɻe | (j)ádi | jándi |  | (j)ánte 2 | jánde 1 | jándi |
| o | jɑmi | jãi > jáj | (j)emi | jami |  | (j)éme | jɑ́me | jami |
| Pl. Masc. | n | jɑ́js ~ jəis |  | (j)ez | jes | (j)es | (j)oj 3 | jɑ́ɾ | jes |
| a | iəs |  | iz | jes | (j)es | jéɾ | jes |
| g | jə́jsi ~ jɪsi |  | (j)éz | jɛ́:si, isi | ― | jéɾe | jɛ́:si |
| o | jɑn |  | (j)an | jan ~ jən | (j)ɑ | (j)on | jen | jan ~ jən |

continued next page ⮱

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Pl. Fem. | n | jɑj |  | (j)e | jáj, je | (j)e | (j)e | ― | je |
| a | iəd |  | ið > iɹ | jeð | (j)ed | (j)aθ 4 | je: > (j)ej |
| g | jə́jsi ~ jisi |  | (j)éz | jɛ́:si, isi | (j)es | ― | jɛ́:si |
| o | jɑn |  | (j)an | jan ~ jən | (j)ɑ | (j)en | jen | jan ~ jən |

I-declension (inanimate), main paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | i | e | i | i | Ø | reclassified as –IS or –Ø nouns | e | i |
| a | u | o | u | u | o | o 3 |
| g | idi | ej | iði, di 2SOS | iði | i[d] | íl | i: |
| o | ju | jo | (j)o | ju | jə > i | jo | u 3 |
| Dual | n | ɪm | ən | em | em |  | éŋ 1 | em |
| a | ʊr | ɝ | eɹ | or |  | oɾ 1 | or |
| g | indi | íɻe | édi | índi |  | índe 1 | índi |
| o | imi | ẽi > éj | imi, mi 2SOS | ɛ́:mi, imi |  | ém:e | emi |
| Plural | n | i:s ~ iəs |  | iz | is ~ jes | is | íɾ | Ø I-mut. |
| a | wɪs |  | (w)ez | wes | wes | weh > wi | wes |
| g | ə́jsi ~ isi |  | éz | ɛ́:si, isi | es | éɾe | si I-mut. (3 |
| o | ɪn |  | en | en | ɑ | en | en |

I-declension , -IS paradigm  *(Áltheran only, “feminine I”)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Case | | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | is |  | is | ih > i | i: 3 |
| a | i | i | e | i |
| g | iði |  | iɾe | íl | i: |
| o | je |  | (j)e | je | je |
| Du | ― same as regular I ― | | | | | |
| o | ɛ́:mi, imi |  | íəme | ém:e | ɛ:mi |
| Plural | n | jes |  | (j)es | jɑ́ɾ | jes |
| a |  |
| g | ɛ́:si, isi |  | ― | éɾe | ɛ́:si |
| o | en |  | en | en | en, jən 3 |

U-declension (inanimate), main paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | u | o | u | u | Ø | o | o | u |
| a | wɑ | wə | (w)a | wa | wɑ | ʋe | wɑ | wa |
| g | udi | oj | uði, di 2SOS | uði | u[d] | uɾe | úl | új, wi |
| o | u: | u | u | u: | u | a | o | u: |
| Dual | n | ʊm | ən | em | om |  |  |  | om |
| a | wɪr | wɝ | (w)eɹ | wer |  |  |  | wer |
| g | undi | úɻe | ódi | úndi |  | únte 2 |  | úndi |
| o | umi | õi > ój | umi, mi 2SOS | ɔ́:mi, umi | óm, um | úəme | óm:e | ɔ:mi |
| Plural | n | wɪs, u:s |  | uz | wes, u:s | us | es | úɾ | (w)es,  Ø U-mut. |
| a |  | (w)iz |
| g | wə́jsi~wisi |  | (w)éz | wɛ́:si, usi | wes | ― | wéɾe | si U-mut. (3 |
| o | ʊn |  | en | on | o | on | on | on |

U-declension (inanimate), -IU paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | ju | jo | ju | ju | i | reclassified as –OS nouns,  with regular palatalization | jo | ju |
| a | iwɑ | ewə | iva | iwa | iwɑ | iwɑ | iwa |
| g | judi | joj > jɔ: | (j)uði | juði | (j)u[d] | júl | júj, jui |
| o | ju: | ju | (j)u | ju: | (j)u | jo | ju: |
| Dual | n | jʊm | jən | (j)em | jom |  |  | jom |
| a | jɪr | jɝ | (j)eɹ | jer |  |  | jer |
| g | jundi | júɻe | (j)ódi | júndi |  |  | júndi |
| o | jumi | jõi > jój | (j)umi | jɔ́:mi, jumi |  | jóm:e | jɔ:mi |
| Plural | n | jɪs, ju:s |  | (j)uz | jes, ju:s | (j)us | júɾ | jes |
| a |  | (j)ez |
| g | jə́jsi ~ jɪsi |  | (j)éz | jɔ́:si, jusi 3 | (j)os | jóɾe | jɔ́:si |
| o | jʊn |  | (j)en | jon | (j)o | jon | jon |

Consonant declension (various)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | Ø | Merged with masculine –A | Ø | Ø, s 6 | Ø | Ø, s 6 | Ø 7, e | Ø, s 6 |
| a | ɑ | a | a | ɑ | e | ɑ | a |
| g | (ə)di | iði, di 2SOS | əði, di 2SOS | u[d]~i[d] | aɾe, ɾe 2SOS | ɑ́l | ej > i, di |
| o | u | u | u | u | o | o | u |
| Dual | n | əm | ajm > em | əm |  |  |  | əm |
| a | ʊr | eɹ | or |  |  |  | or |
| g | indi | édi | índi |  | ínte 2 |  | índi |
| o | (ə)mi | imi, mi 2SOS | əmi, mi 2SOS |  | me | (e)me | mi |
| Plural | n | əs | uz 3 | əs | us ~ is | es | ɑ́ɾ | es |
| a | ɪs | ez | es | es | eh > i |
| g | (ə)si | si | əsi, si 2SOS | ― | ɑ́ɾe | si |
| o | ən | an | ən | ɑ | en | en | ən |

1 Repurposed as feminine plurals

2 Repurposed as genitive plural; with irregular devoicing *nd* > *nt*

3 By analogy

4 Irregular e > á

5 Lengthening the previous consonant if follows an open syllable

6 After any consonant except *m, n, l*, *r, j* or *w*

7 When the final consonant is one of the following: *n, ŋ, s, ʎ, ɾ* or *j*

Dual oblique endings (in orange) became plural instrumental endings in Áltheran and its descendants

**Reflexes of adjectival and pronominal endings in daughter branches**

A-declension adjectives

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| S. Masc. | n | ɑw | ə, Ø s,n,ɻ\_ | Merged with fem. | o | Merged with neuter | Merged with neuter | o | o |
| a | ɑ | ɔ: | a | ɑ | a |
| g | ɪs | əi > ej | es | eh > i | es |
| o | u | o | u | o | u |
| S. Femin. | n | ɑ | a: | a | a | ɑ | ɑ | a |
| a | iə | aj | i | je | (j)e | je | je |
| g | ɑs | əi > ej | az | as | ɑs | ɑh | as 1 |
| o | i | e | i | i | ə > Ø | i | e | i |
| S. Neuter | n | ɑj |  | Merged with fem. | e | e | e | Merged with masc. | e |
| a | uə |  | wo | wo | ʋo | wo |
| g | i:s |  | i:s | is | ajs | i:s |
| o | u |  | u | u | ― | u |
| Dual | n | ɑm |  | ájm | am ~ əm |  |  | ɑŋ 2 |  |
| a | ɑr |  | aɹ | ar ~ ər |  |  | ɑɾ 2 |  |
| g | ɪn |  | en | en |  | en | én 2 |  |
| o | ɑmi |  | imi | ami~əmi |  | éme | ɑ́me | (ə)mi |
| Plural | n | əis |  | ez | is > i: | i | aj | e | i: |
| a | ɪd |  | eð > eɹ | eð | ed | eθ | e: > ej |
| g | ə́jsi ~ isi |  | éz | isi | is | ― | íɾe | (e)si |
| o | ɑn |  | an | an ~ ən | ɑ | en | en | an ~ ən |

I-declension adjectives

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | i | ə, Ø s,n,ɻ\_ | i | i | ə > Ø | Merged with A-declension | e | i |
| a | uə | ɔ: | u | wo | wo | wo | wo, e:o spor |
| g | i:s | əi > ej | iz | i:s | is | ih | i:s |
| o | ju | o | (j)u | ju | (j)u | jo | ju |
| Dual | n | ɪm |  | em | em |  |  |  |
| a | ʊr |  | eɹ | or |  |  |
| g | i:n |  | in | i:n |  |  |
| o | imi |  | imi, mi 2SOS | imi |  | íme | imi |
| Plural | n | i: ~ iə |  | i | i: ~ iə | i | e | i: |
| a | jɪs |  | (j)ez | jes | (j)es | jeh | jes |
| g | ə́jsi ~ isi |  | éz | isi | is | íɾe | (e)si |
| o | ɪn |  | en | en | ɑ | en | en |

Consonant declension adjectives

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | Ø | ə, Ø s,n,ɻ\_ | Ø | Ø | Ø | Ø L\_, s | Ø T\_, e | Ø |
| a | ɑ | ɔ: | a | a | ɑ | e | ɑ | a |
| g | ɪs | əi > ej | ez | es | es | es | eh > i | es |
| o | u | o | u | u | u | o | o | u |

continued next page ⮱

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Dual | n | əm |  | ajm > em | əm |  |  |  |  |
| a | ʊr |  | eɹ | or |  |  |  |
| g | ɪn |  | en | en | en |  |  |
| o | (ə)mi |  | imi, mi 2SOS | əmi, mi 2SOS |  | me | (e)me | mi |
| Plural | n | əs |  | uz anlog. | əs | is~us | es | ɑ́ɾ | es |
| a | ɪs |  | ez | es | es | eh > i |
| g | (ə)si |  | si | əsi, si 2SOS | is, s \_VC | ― | ɑ́ɾe | si |
| o | ən |  | an | ən | ɑ | en | en | ən |

Personal pronouns, first person

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | ni: | ə, Ø s,n,ɻ\_ | ni | ni: | ni | naɪ | ne | ni: |
| a | nǝ́wɑ | ɔ: | náva | nowá | nowɑ́ | no | ŋwɑ | nwa |
| g | nis | əi > ej | nez | nis | nis | nis | nih | náni: 3 |
| o | nju | o | néju | n(ə)jú | nu | ɲu | nju, ʝu C͜ | né:o |
| Dual | n | hwǝj |  | ve | wej |  |  | we | wej |
| a | hwir |  | veɹ | wir |  | wiɾ | wir |
| g | hwiən |  | ven | wején | ʋíən | wen | wé:ni: 3 |
| o | hwə́jmi |  | vémi | wɛ́:mi | wɛ́m | ʋíəme | wém:e | wɛ́mi |
| Plural | n | mən |  | man | mən | men | ʋen | ― | men |
| a | mə́jɪs |  | májez | méjes | méje | ʋíəs | méjs |
| g | mə́jsi |  | mez | mɛ́:si | mes | ― | méni: 3 |
| o | miən |  | min | mjen | mɑ | ʝen | mjen, ʝen C͜ | mjen |

Personal pronouns, second person

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Singular | n | kwi: | ə, Ø s,n,ɻ\_ | pi | kwi: | pi | kaɪ | kʷe | køʏ spor. |
| a | kǝ́wɑ | ɔ: | páva anlog. | kowá | pɑ | kʋa | kʷá | kwa |
| g | kwis | əi > ej | pez | kwis | pis | kis | kʷis | kǿʏni: 3 |
| o | kwǝ́ju | o | páju | kwéju | pej | kiəf | kʷéʝo | ké:o |
| Dual | n | kʰǝj |  | he | xej |  | çíə anlog. | he | xej |
| a | kʰir |  | heɹ | xir | çiɾ anlog. | hiɾ | xir |
| g | kʰiən |  | hen | çen | çen | ɕen | xé:ni: 3 |
| o | kʰə́jmi |  | hémi | xɛ́:mi | xém | íəmi | hém:e | xɛ́mi |
| Plural | n | kwən |  | kʷan | kwən | pen | ― | ― | kwen 4 |
| a | kə́wɪs |  | kávez | kówes | pes | kowés |
| g | kə́wsi |  | koz | kɔ́:si | pos anlog. | kwéni: 3 |
| o | kuən |  | kun | kwon | pon | fon anlog. | ʍon anlog. | kon |

1 Withstood erosion through learned forms

2 Repurposed as feminine plurals

3 Replaced the genitive by a new *possessive* adjective (I-declension), always before the noun

4 With *kw* intact instead of regular *k* or *ʦw*

Common continental didn’t have third person pronouns, instead using the demonstratives *to/ta/te* “this” / “that” or *so/sa/se* “the aforementioned” (anaphoric) — both A-declension adjectives. Additionally, the interrogatives *ki* “who” and *kʰi* “what” (I-decl. adj.) were used.

**Reflexes of verbal endings in daughter branches**

Athematic (consonant) conjugation, strong verbs (stress on stem)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | u | o | u | u | Ø | o | o | u |
| 2s | ɪs | ə | ez | es | es | es | eh > i | es |
| 3s | ɪt | e | et | et | e | e | e(t) |
| 1d | wi | we | wi | wi | wi |  | we dia. |  |
| 2d | iti | (e)te | iti | iti | iti Irreg. |  |  |  |
| 1p | imu |  | imu | imu |  | imo | imo | imu |
| 2p | itəs |  | iti | itəs |  | ites | iteh > iti | ites |
| 3p | ɪnt | ən | e | ent | ɑt: | ent | en | ent |
| Aorist | 1s | ən | i—ən | C1e—a dup. | ən | ɑ 1 | en | en | **t**o 2 |
| 2s | i: | i—i | C1e—i | i: | i 1 | aj | e**n** | **t**i: |
| 3s | Ø | C1e—a | Ø | Ø 1 | Ø | Ø | (**t**) |
| 1d | u: | i—u | C1e—u | u: | u 1 |  |  |  |
| 2d | (ə)di | i—i | C1e—di | di, əði | id~ud 1 |  |  |  |
| 1p | (ə)mi |  | C1e—mi | (ə)mi |  | (e)me | eme > en | **t**am(i) |
| 2p | əsti |  | C1e—sti | əsti |  | (e)ste | es:e | **t**as(ti) |
| 3p | ənt | i—ən | C1e—a | ənt | ɑt: 1 | ent**e** | en | **t**an(t) |
| Imperative | 2s | i | e | i | i | Ø | e | e | i |
| 3s | (ə)ti |  |  | (ə)ti |  | (e)te |  | (e)ti |
| 1p | (ə)mi |  | mi | (ə)mi |  | (e)me | (e)me | (e)mi |
| 2p | iti |  | iti | iti | it | ite | ite | iti |
| 3p | ɪnti |  |  | enti |  | ente |  | en(ti) |
| Supine | | (ə)di | ɻe | di | di, əði | id~ud | éɾ | éle | e: |
| Gerund | | əngjɑ | (ə)ni | jɑ | ənʥa | ɑʤ:ɑ | és:e | énjɑ | é:nʣa |
| Gerundive | | əngɑw … | ən | aga | əngo … | ɑg:e … | éɲe | éŋo … | é:n**d**o … |
| Potential | | imɑw … |  | im -a/em/uz | imo … | ime … | i**b**o … | imo … | imo … |
| Result | | (ə)mən | (ə)βə | **a** N-infix | (ə)mən | (i~u)mɑ | emn**e** | (e)men | (ə)ma 2 |
| Process | | (ə)bɑ | vɑ | ba, əva | (i~u)bɑ | e**m**e | (e)βɑ | ja |
| State | | (ə)ru | ɻo | ru | (ə)ru | ir~ur | eɾo | (e)ɾo | (e)ru |

Athematic conjugation, weak verbs in –I (stress on suffix)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | jǝ́w | jɔ́: | az | jɔ́w | (j)ó | os | jó | jów |
| 2s | jés | jé | o | jés | (j)és | o | jéh > jé | jé:s |
| 3s | jét | iði, di 2SOS | jét | (j)ét | eɾe, ɾe 2SOS | jé | jé:(t) |
| 1d | jǝ́wi | jáwe | u | jówi | (j)ówi Irreg | o | jówe dia. |  |
| 2d | jéti | jéte | e | jéti | íti Irreg. | e |  |  |
| 1p | jému |  |  | jému |  |  | jémo | jé:mu |
| 2p | jétəs |  |  | jétəs |  |  | jéteh | jé:tes |
| 3p | jént | jén |  | jént | (j)ɑ́t: |  | jén | jé:nt |
| Aor. | 1s | jə́n | i—ján | a | jén | (j)ɑ́ | e | jén | i**t**ó 2 |
| 2s | jé: | i—í | e | jé: | (j)é | e | jé**n** | i**t**í: |
| 3s | í | iði, de 2SOS | í | í | éɾe | í | í(**t**) |

continued next page ⮱

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Aorist | 1d | jú: | i—jú | i | jú: | (j)ú | e |  |  |
| 2d | ǝ́jdi | i—áj |  | ɛ́:ði | éd |  |  |  |
| 1p | ǝ́jmi |  |  | ɛ́:mi |  |  | em:e > **j**en | i**t**ɛ́m(i) 2 |
| 2p | jə́sti |  |  | jésti |  |  | jés:e | i**t**é:s(ti) |
| 3p | jə́nt | i—ján | e | jént | (j)ɑ́t: |  | jén | i**t**é:n(t) |
| Imperative | 2s | jé | jé | ájm | jé | (j)é |  | jé | jé: |
| 3s | ǝ́jti |  | aɹ | ɛ́:ti |  |  |  | ɛ́ti |
| 1p | ǝ́jmi |  | ádi | ɛ́:mi |  | ánte 2 | **j**em:e | ɛ́mi |
| 2p | jéti |  |  | jéti | (j)ét |  | jéte | jé:ti |
| 3p | jénti |  | imi | jénti |  | éme |  | jé:nti |
| Supine | | ǝ́jdi | ájɻe | ez | ɛ́:ði | éd | oj | él:e | éj |
| Gerund | | íngjɑ | éni | ɪj > i | ínʥa | éʤ:ɑ | es | ínjɑ | ínʣa |
| Gerundive | | íngɑw … | én |  | íngo … | eg:e … |  | íŋo … | ín**d**o … |
| Potential | | jémɑw … |  |  | jémo … | (j)éme … |  | jémo … | jé:mo … |
| Result | | ǝ́jmən | ájβə |  | ɛ́:mən | émɑ |  | ém:en | ɛ́ma 2 |
| Process | | ǝ́jbɑ |  | ɛ́:va | ébɑ |  | embɑ | ǽ:ɑ |
| State | | ǝ́jru | ájɻo |  | ɛ́:ru | ér |  | ér:o | ɛ́ru |

Athematic conjugation, weak verbs in –U (stress on suffix)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | wǝ́w | wɔ́: | az | wɔ́w | wó | os | wó | wó |
| 2s | wís | wé | o | wís | wís | o | wíh | wís |
| 3s | wít | iði, di 2SOS | wít | wít | eɾe, ɾe 2SOS | wít | wí(t) |
| 1d | wǝ́wi | wáj | u | wój | wój | o | wój dia. |  |
| 2d | wíti | wéte | e | wíti | wít | e |  |  |
| 1p | wímu |  |  | wímu |  |  | wímo | wímu |
| 2p | wítəs |  |  | wítəs |  |  | wíteh | wítes |
| 3p | wínt | wén |  | wínt | wét: |  | wín | wínt |
| Aorist | 1s | wə́n | i—wán | a | wén | wɑ́ | e | wén | u**t**ó 2 |
| 2s | wí: | i—wí | e | wí: | wí | e | wí**n** | u**t**í: |
| 3s | ú | iði, de 2SOS | ú | ú | éɾe | ú | ú(**t**) |
| 1d | wó: | i—wó | i | jú: | (j)ú | e |  |  |
| 2d | ǝ́wdi | i—áwe |  | ɔ́:ði | ód |  |  |  |
| 1p | ǝ́wmi |  |  | ɔ́:mi |  |  | om:e > **w**ón | u**t**ɔ́m(i) 2 |
| 2p | wə́sti |  |  | wésti |  |  | wés:e | u**t**é:s(ti) |
| 3p | wə́nt | i—wán | e | wént | wɑ́t: |  | wén | u**t**é:n(t) |
| Imperative | 2s | wí | wé | ájm | wí | wí |  | wí | wí |
| 3s | ǝ́wti |  | aɹ | ɔ́:ti |  |  |  | ɔ́ti |
| 1p | ǝ́wmi |  | ádi | ɔ́:mi |  | ánte 2 | **w**óm:e | ɔ́mi |
| 2p | wíti |  |  | wíti | wít |  | wíte | wíti |
| 3p | wínti |  | imi | wínti |  | éme |  | wínti |
| Supine | | ǝ́wdi | ɔ́:ɻe | ez | ɔ́:ði | ód | oj | ól:e | ǿʏ |
| Gerund | | úngjɑ | óni | ɪj > i | únʥa | óʤ:ɑ | es | únjɑ | únʣa |
| Gerundive | | úngɑw … | ón |  | úngo … | óg:e … |  | úŋo … | ún**d**o … |
| Potential | | wímɑw… |  |  | wímo … | wíme … |  | wímo … | wímo … |
| Result | | ǝ́wmən | ɔ́:βə |  | ɔ́:mən | ómɑ |  | óm:en | ɔ́ma 2 |
| Process | | ǝ́wbɑ |  | ɔ́:va | óbɑ |  | ómbɑ | ó: |
| State | | ǝ́wru | ɔ́:ɻo |  | ɔ́:ru | ór |  | ór:o | ɔ́ru |

A-conjugation

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | ɑ́w | ɔ́: | az | áw | o | ó | o | áw |
| 2s | ɑ́js | áj | o | ájs | es | ás | eh > i | ájs |
| 3s | ɑ́jt | iði, di 2SOS | ájt | et | áj | e | ájt |
| 1d | ɑ́wi | áwe | u | áwi | ɑw |  | ɑwe dia. |  |
| 2d | ɑ́jti | ajte | e | ájti | eti Irreg. |  |  |  |
| 1p | ɑ́jmu |  |  | ájmu |  | ájmo | emo | ájmu |
| 2p | ɑ́jtəs |  |  | ájtəs |  | átes | eteh > eti | ájtes |
| 3p | ɑ́jnt | ájn |  | ájnt | et: | ánt | en | ájnt |
| Aorist | 1s | ɑ́ni | i—án | a | áni | **n**ɑ | éne | ɑne | á**t**o 2+3 |
| 2s | ɑ́si | i—áj | e | ási | **n**ɑs | éɾe | ɑɾe | á**t**i: |
| 3s | ɑ́j | iði, de 2SOS | áj | **n**e | é | e | á(**t**) |
| 1d | ɑ́wo | i—áw | i | áwo | **n**ɑw |  |  |  |
| 2d | ɑ́di | i—áj |  | áði | **n**ɑd |  |  |  |
| 1p | ɑ́mi |  |  | ámi |  | éme | ɑme > ɑn | á**t**am(i) |
| 2p | ɑ́sti |  |  | ásti |  | áste | ɑs:e | á**t**as(ti) |
| 3p | ɑ́nt | i—án | e | ánt | **n**ɑt: | ánt**e** | ɑn | á**t**an(t) |
| Imperative | 2s | ɑ́j | áj | ájm | áj | e | áj | e | áj |
| 3s | ɑ́ti |  | aɹ | áti |  | éte |  | áti |
| 1p | ɑ́mi |  | ádi | ámi |  | éme | ɑme | ámi |
| 2p | ɑ́jti |  |  | ájti | et | ájte | ete | ájti |
| 3p | ɑ́nti |  | imi | ánti |  | ánte |  | ánti |
| Supine | | ɑ́di | áj | ez | áð(i) | ɑd | áɾ | ɑ́le | á: |
| Gerund | | ɑ́ngja | áni | ɪj > i | ánʥa | ɑʤ:a | ás:e | ɑ́njɑ | ánʣa |
| Gerundive | | ɑ́ngɑw … | án |  | ángo … | ɑg:e … | áɲe | ɑ́ŋo … | án**d**o … |
| Potential | | ɑ́jmɑw… |  |  | ájmo … | eme … | áj**b**o … | emo … | ájmo … |
| Result | | ɑ́mən | áβə |  | ámən | ɑmɑ | ámn**e** | ɑmen | áma 2 |
| Process | | ɑ́ba |  | áva | ɑbɑ | e**m**e | ɑβɑ | á: |
| State | | ɑ́ru | áɻo |  | áru | ɑr | eɾo | ɑɾo | áru |

I-conjugation, main paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | ǝ́ju | ájo | az | éju | ej | éʝo | eʝo > jo | éju > é:o |
| 2s | ǝ́jes | áj | o | éjes | es | és | eʝeh > i | éjs |
| 3s | ǝ́jet | iði, di 2SOS | éjet | et | éj | éʝe > i | éjt |
| 1d | ǝ́jwi | ájwe | u | ɛ́:wi | ew |  | ewe dia. |  |
| 2d | ǝ́jeti | ajte | e | éj(e)ti | eti Irreg. |  |  |  |
| 1p | ǝ́jemu |  |  | éj(e)mu |  | ɛ́:mo | emo | éjmu |
| 2p | ǝ́jetəs |  |  | éj(e)təs |  | ɛ́:tes | eteh | éjtes |
| 3p | ǝ́jent | ájn |  | é(je)nt | et: | ɛ́:nt | en | ént |
| Aorist | 1s | ǝ́jni | i—ájn | a | ɛ́:ni | **n**e | íəne | en:e | ɛ́**t**o 2+3 |
| 2s | ǝ́jsi | i—áj | e | ɛ́:si | **n**es | íəɾe | es:e | ɛ́**t**i: |
| 3s | í: | iði, de 2SOS | í: | **n**i | áj | e | í(**t**) |
| 1d | ǝ́jwo | i—ájwo | i | ɛ́:wo | **n**ewo |  |  |  |
| 2d | ǝ́jdi | i—ájɻe |  | ɛ́:ði | **n**ed |  |  |  |

continued next page ⮱

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Aor. | 1p | ǝ́jmi |  |  | ɛ́:mi |  | íəme | em:e > en | ɛ́**t**am(i) |
| 2p | ísti |  |  | ísti |  | íste | is:e | ɛ́**t**as(ti) |
| 3p | ínt | i—ín | e | ínt | **n**et: | ínt**e** | int | ɛ́**t**an(t) |
| Imperative | 2s | í: | í | ájm | í: | i | áj | e | í: |
| 3s | ǝ́jti |  | aɹ | ɛ́:ti |  | íəte |  | ɛ́ti |
| 1p | ǝ́jmi |  | ádi | ɛ́:mi |  | íəme | em:e | ɛ́mi |
| 2p | ǝ́jeti |  |  | éj(e)ti | it | ɛ́:te | ite | éjti |
| 3p | ínti |  | imi | ínti |  | ínte |  | ínti |
| Supine | | ǝ́jdi | ájɻe | ez | ɛ́:ði | ed | íəɾ | éle | éj |
| Gerund | | íngja | éni | ɪj > i | ínʥa | eʤ:a | ís:e | ínjɑ | ínʣa |
| Gerundive | | íngɑw … | én |  | ígdo … | eg:e … | íɲe | íŋo … | ín**d**o … |
| Potential | | ǝ́jemɑw… |  |  | éj(e)mo … | ime … | ɛ́:**b**o … | imo … | éjmo … |
| Result | | ǝ́jmən | ájβə |  | ɛ́:mən | emɑ | iəmn**e** | em:en | ɛ́ma 2 |
| Process | | ǝ́jba |  | ɛ́:va | ebɑ | iə**m**e | embɑ | ǽ:ɑ |
| State | | ǝ́jru | ájɻo |  | ɛ́:ru | er | iəɾo | er:o | ɛ́ru |

I-conjugation, aorist with unstressed thematic vowel

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Aorist | 1s | ini | Merged with  regular paradigm | a | ini | **n**i | ine | in:e | i**t**o 2+3 |
| 2s | isi | e | isi | **n**is | iɾe | is:e | i**t**i: |
| 3s | iə | iði, de 2SOS | je | **n**i | e | i | e(**t**) |
| 1d | iwo | i | iwo | **n**iwo |  |  |  |
| 2d | idi |  | iði | **n**id |  |  |  |
| 1p | imi |  | imi |  | ime | ime > in | i**t**am(i) |
| 2p | esti |  | esti |  | (e)ste | es:e | i**t**as(ti) |
| 3p | ent | e | ent | **n**ɑt: | (en)te | ent | i**t**an(t) |

U-conjugation, main paradigm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | ǝ́wo | ə, Ø s,n,ɻ\_ | az | ówo | o(wo) | ó | o | ówo |
| 2s | ǝ́wes | ɔ: | o | ówes | owes | ós | oweh > u | ówes |
| 3s | ǝ́wet | əi > ej | iði, di 2SOS | ówet | owet | óʋe | owe > u | ówet |
| 1d | ǝ́wi | o | u | ówi | ow |  | owe > u |  |
| 2d | ǝ́weti |  | e | ów(e)ti | owti Irreg. |  |  |  |
| 1p | ǝ́wemu |  |  | ów(e)mu |  | ójmo | om:o | ówmu |
| 2p | ǝ́wetəs |  |  | ów(e)təs |  | ótes | ot:eh | ówtes |
| 3p | ǝ́went |  |  | ó(we)nt | ot: | ónt | on | ónt |
| Aorist | 1s | ǝ́wni | a: | a | ɔ́:ni | **n**o | úəne | on:e | ɔ́**t**o 2+3 |
| 2s | ǝ́wsi | aj | e | ɔ́:si | **n**os | úəɾe | os:e | ɔ́**t**i: |
| 3s | ǝ́wi | əi > ej | iði, de 2SOS | ówi | **n**ow | ój | owe > u | ú(**t**) |
| 1d | ǝ́wo | e | i | ówo | **n**owo |  |  |  |
| 2d | ǝ́wdi |  |  | ɔ́:di | **n**od |  |  |  |
| 1p | ǝ́wmi |  |  | ɔ́:mi |  | úəme | om:e > on | ɔ́**t**am(i) |
| 2p | ústi |  |  | ústi |  | úste | us:e | ɔ́**t**as(ti) |
| 3p | únt |  | e | únt | **n**ot: | únt**e** | un | ɔ́**t**an(t) |

continued next page ⮱

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Imperative | 2s | ǝ́wi | ən, n n,ɻ\_ | ájm | ówi | ow | ój | owe > u | ówi |
| 3s | ǝ́wti | ɝ | aɹ | ɔ́:ti |  | úəte |  | ɔ́ti |
| 1p | ǝ́wmi | áɻe | ádi | ɔ́:mi |  | úəme | om:e | ɔ́mi |
| 2p | ǝ́witi |  |  | ówiti | owit | ójte | ute | ǿʏti |
| 3p | únti | ãi > áj | imi | únti |  | **ó**nte |  | únti |
| Supine | | ǝ́wdi |  | ez | ɔ́:ði | od | úəɾ | óle | ǿʏ |
| Gerund | | úngja |  | ɪj > i | únʥa | oʤ:a | ús:e | únjɑ | únʣa |
| Gerundive | | úngɑw … |  |  | úngo … | og:e … | úɲe | úŋo … | ún**d**o … |
| Potential | | ǝ́wimɑw… |  |  | ówimo … | owime … | ój**b**o … | umo … | ǿʏmo … |
| Result | | ǝ́wmən |  |  | ɔ́:mən | omɑ | uəmn**e** | om:en | ɔ́ma 2 |
| Process | | ǝ́wba |  |  | ɔ́:va | obɑ | uə**m**e | ombɑ | ó: |
| State | | ǝ́wru |  |  | ɔ́:ru | or | uəɾo | or:o | ɔ́ru |

U-conjugation, aorist with unstressed thematic vowel

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Aorist | 1s | uni | a: | a | uni | **n**u | une | un:e | u**t**o 2+3 |
| 2s | usi | aj | e | usi | **n**us | uɾe | us:e | u**t**i: |
| 3s | wi | əi > ej | iði, de 2SOS | wi | **n**u.i | we | we | o(**t**) |
| 1d | owo | e | i | wo | **n**uwo |  |  |  |
| 2d | udi |  |  | uði | **n**ud |  |  |  |
| 1p | umi |  |  | umi |  | ume | um:e > un | u**t**am(i) |
| 2p | osti |  |  | osti |  | oste | os:e | u**t**as(ti) |
| 3p | ont |  | e | ont | **n**ot: | ont**e** | on | u**t**an(t) |

Athematic weak verbs ending in a consonant

These are rare, but include some very common verbs such as *irów* “I go”, *ików* “I come” and *stów* “I stay”. Suffixing the present forms of *-irów* or the verb forms of *-stów*to the stem forms the *future* tense and *progressive* aspect, respectively, in Mágeran and Séracal.

Only irregular forms shown; other forms conjugate the same as strong, stressed on stem vowel.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | ə́w | ó: | Formed using  active participles | ów | o | úǝ | o | ów |
| 2s | ə́js | áj | ɛ́:s | es | íǝs | eh > i | ɛ́s |
| 3s | ə́jt | ɛ́:t | et | íǝ | ɛ́(t) |
| 1d | wi Regular | we | wi | wi |  | we dia. |  |
| 2d | ə́jti | é:te | ɛ́:ti | eti Irreg. |  |  |  |
| 1p | ə́jmu |  | ɛ́:mu |  | íǝmo | eŋ:o | ɛ́mu |
| 2p | ə́jtəs |  | ɛ́:təs |  | íǝtes | et:eh | ɛ́tes |
| 3p | ínt | én | ínt | et: | ent | in | ínt |
| Imper. | 2s | ə́j | áj | é | éj | Ø | íǝ | e | éj |
| 2p | ə́jti |  | éti | ɛ́:ti | et | íǝte | et:e | ɛ́ti |
| 3p | ínti |  |  | ínti |  | ínte |  | ínti |
| Gerund | | ə́ngjɑ | áni | ánja | énʥa | ɑʤ:ɑ | és:e | énjɑ | é:nʣa |
| Gerundive | | ə́ngɑw … | án | ága | éngo … | ɑg:e … | éɲe | éŋo … | é:n**d**o … |

1 In Pálmeran branch, athematic aorist is formed with an *n-infix*; later lost, geminating the last radical

2 Common Erdahalión generalized the T-perfect as its past tense. Reason for irreg. *ən > o*/*a* unknown

3 Using athematic endings

Suppletive verbs

These verbs use one root in the *present* (including the imperative, supine, gerund, gerundive and potential forms), and another in the *aorist* (including the result, process and state forms). They are exceedingly rare and contain additional irregularities. The most common are *désu ~ hwáni* “I am/was” and *réwo ~ rásən* “I live(d)”.

Only irregular forms shown; other forms conjugate as regular strong athematic.

***Désu***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | də́su | o | Formed using  active participles | désu | Ø | deɾó | dé**s**o 1 | dé:su |
| 2s | dəs | ə | des | es | des | deh | de:s |
| 3s | dəst | dest | et | des | des | de:st |
| 1d | də́wi | we | déwi | wi |  | dej dia. |  |
| 2d | də́jti | (e)te | dɛ́:ti | iti Irreg. |  |  |  |
| 1p | də́mu |  | dému |  | démo | démo | dé:mu |
| 2p | də́stəs |  | déstəs |  | déstes | dés:eh | dé:stes |
| 3p | də́nt | ən | dent | ɑt: | ent | den | de:nt |
| Aorist conjugates as regular thematic stem *wa*- | | | | | | | | | |
| Imperative | 2s | dəj | e | i | dej | Ø | diə | de | dej |
| 3s | də́sti |  |  | désti |  | déste |  | dé:sti |
| 1p | də́mi |  | (i)mi | démi |  | déme | déme | dé:mi |
| 2p | də́jti |  | iti | dɛ́:ti | it | díəte | déte | dɛ́ti |
| 3p | də́nti |  |  | dénti |  | dénte |  | dé:nti |
| Supine | | də́sdi | ɻe | iði, di 2SOS | dédi | id~ud | deɾ | déle | dé:di |
| Gerund | | də́ngjɑ | (ə)ni | (an)jɑ | dénʥa | ɑʤ:ɑ | dés:e | dénjɑ | dé:nʣa |
| State | | hwɑ́ru | ɻo | (i)ru | wáru | ir~ur | ʋéɾo | wɑ́ɾo | wáru |

***Réwo***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| Present | 1s | rə́wo | o | Formed using  active participles | réwo 2 | Ø | ɾúə | ɾéwo | **e**ré:wo |
| 2s | rə́wɪs | ə | ré(we)s 2 | es | ɾes | ɾeh | **e**ré:s |
| 3s | rə́wɪt | ré(we)t 2 | et | ɾe | ɾe | **e**ré:(t) |
| 1d | rə́wi | we | réwi | wi |  | ɾej dia. |  |
| 2d | rə́jti | (e)te | rɛ́:ti | iti Irreg. |  |  |  |
| 1p | rə́jmu |  | rɛ́:mu |  | ɾíəmo | ɾemo | **e**rɛ́mu |
| 2p | rə́jtəs |  | rɛ́:təs |  | ɾíəites | ɾeteh | **e**rɛ́tes |
| 3p | rə́wɪnt | ən | ré(we)nt 2 | ɑt: | ɾúənt | ɾen | **e**rént |
| Aorist conjugates as regular athematic stem *ras*- | | | | | | | | | |
| Imperative | 2s | rəj | e | i | rej | Ø | ɾiə | ɾe | rej |
| 3s | rə́wti |  |  | rɔ́:ti |  | ɾúəte |  | rɔ́ti |
| 1p | rə́wmi |  | (i)mi | rɔ́:mi |  | ɾúəme | ɾóme | rɔ́mi |
| 2p | rə́jti |  | iti | rɛ́:ti | it | ɾíəte | ɾéte | rɛ́ti |
| 3p | rə́nti |  |  | rénti |  | ɾénte |  | rénti |
| Supine | | rə́wdi | ɻe | iði, di 2SOS | rɔ́:di | id~ud | ɾúəɾ | ɾóle | rɔ́di |
| Gerund | | rə́ngjɑ | (ə)ni | (an)jɑ | rénʥa | ɑʤ:ɑ | ɾés:e | ɾénjɑ | ré:nʣa |
| Potential | | rə́jmɑw… |  |  | rɛ́:mo … |  | ɾíə**b**o … | ɾémo … | rɛ́mo … |

1 With unrhotacized -*s-*

2 In place of regular *rów-*

In the Erdahalión branch, the *progressive* aspect is formed by using the gerundives + *désu*, while the *passive* voice is formed by using the patient forms (passive participles) + *désu*.

The copula *de* (“am/is/are [noun phrase]”) is also derived from the verb *désu*. It has irregularly lenited to *ʒe* in the Erdahalión branch.

Another common auxiliary verb is *maw* “I have”. It is a regular thematic verb. Suffixing the present and aorist forms of *-maw* tothe stem forms the *mediopassive* voice in Ánderan, as well as in Áltheran and its descendents (but not in Erdahalión languages).

Derivational verb aspects

* **Imperfective** (continuous or habitual actions), formed by suffixing *-əj* to the stem.   
  In Ánderan: by using non-reduplicated aoristendings
* **Perfective** (completed actions), by suffixing *-t*; used only with the aorist system
* **Optative** (present, expresses wishes) or **subjunctive** (aorist, conditional), by suffixing *-wi*
* **Semelfactive** (punctillar), by infixing *-n-* in athematic verbs or suffixing *­-n* in thematic
* **Frequentative / intensive**, by:
  + 1. infixing *-s-* in athematic verbs, and/or conjugating them as thematic A
    2. various suffixes: *-(s)it, -il, -r(a), -l(a), -məna, -si* (last two with inchoative meaning)
* **Causative / extensive**, either by root vowel alternation with *-j* suffix (see table below)   
  or by suffixing *–da* (occasionally lenited to *–ʥa* in Áltheran)
* **Reflexive / reciprocal**, by suffixing *–sa*
* **Inchoative** (“become/turn X”) from nouns or adjectives by conjugating as thematic I

Causative root alternation

A popular way of forming causative verbs was altering the root vowel of an intransitive verb and suffixing *-j-* to the stem, e.g. *wīdu* “I see” vs. *wādju* “I show”.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pattern | C. Cont. | Gréetyan | Ánderan | Áltheran | E.C. Pálm. | Mágeran | Séracal | C. Érdahal |
| a > u | ɑ́ > ǝ́w | á > ɔ́: | a > ó,u | á > ɔ́: | ɑ > o | e > uə | ɑ > o, (ú,a)+o | a > ɔ |
| ɑ́ > ú cl. | á > ó cl. | á > ú cl. | ɑ > u cl. | á, o > u | ɑ > u cl. | a > y cl. \* |
| i > a | ǝ́j > ɑ́ | áj > á | é, i > a | ɛ́: > á | e > ɑ | iǝ > e | e > ɑ | ɛ > a |
| í > ɑ́ | é > á | í > á | i > ɑ | i > á, o | i > ɑ | i > ɛ\* |
| u > i | ǝ́w > ǝ́j | ɔ́: > áj | ó, u > é, i | ɔ́: > ɛ́: | o > e | uə > iǝ | o, (ú,a)+o > e | ɔ > ɛ |
| ú > í | ó > é | ú > í | u > i | u > i | u > i | u > iə\* |
| aa > uu | ɑ́: > ú: | á > ú | ó op, a > u | á: > ú: | o > u | a > a | ɑ > u | a: > u: |
| ɑ́: > úə cl. | á: > wó cl. | o > wɑ cl. | a > ʋo cl. | ɑ > wo cl. | a: > we cl. \* |
| ii > aa | í: > ɑ́: | í > á | i > ó op, a | í: > á: | i > o | aj > a | i > ɑ | i: > a: |
| íə > ɑ́: | jé > á: | je > o | e > a | je > ɑ | je > e:\* |
| uu > ii | ú: > í: | ú > í | u > i | ú: > í: | u > i | a > aj | u > i | u: > i: |
| úə > íə | wó > jé | wɑ > je | ʋo > e | wo > je | wo > je |
| ai > i | ɑ́j > ǝ́j, í | áj > áj, é | áj, e > é, i | ɑ́j > ɛ́:, í | e > e, i | áj, oj > iǝ, i | e > e, i cl. | áj > ɛ, iə\* |
| au > u | ɑ́w > ǝ́w, ú | ɔ́:, o: > ɔ́:, ó | áw, o > ó, u | ɑ́w > ɔ́:, ú | oop, a > o, u | o > uə, u | o > o, u cl. | áw > ɔ, y\* |

\* In Erdahalión branch, the altenration was complicated further by an I-mutation in closed syllables.

**Sound reflexes in the Erdahalión branch**

Common Erdahalión has lost intervocalic and post-vocalic *v, ð* and *ɣ*, creating a new series of long vowels and diphthongs. Additionally, I/U mutations of vowels were triggered by vanishing *j* or *w* in the next syllable, leading to the characteristic “broken plurals” of Néteran, Córderan and Kórdorras.

Consonants

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| C. Cont. origin | C. Érdahal | Córderan | Néteran | South Net. | Téleran | Western Tel |
| p | p | p-, f | p | p, -b-, -b# | p, b 1 | p, v 1, -Ø# |
| t | t | t-, s, (ʧ-, ʃ) \_j | t, d 2 | t, d 2, -d-, -d# | t, d 1 | t, -ð/ɹ-,  d V,l,n,r\_, -Ø# |
| kj, pw/kw \_e,i | ʦ | ʦ | ʦ | ʦ | ʦ, z: 1, ʦ# | s, z 1 |
| k, kʰ \_s, kw, pw | k | k-, x~χKor. | k, ʧ \_e,i | k, ʧ \_e,i -g-, -g#, -j 3+7 | k, g 1, ʧ \_j; j,i\_C/# | k, g 1, (ʃ, ʒ1) 4 |
| *same +* ə/i/o + w | kw | k: | kw | kw, -gw- | kx, -ʁ- | k, -ɹ- |
| b | b | b-, v | b, p# 6 | b, -v- | b, v 1 | b-, Ø |
| d | d | d-, z, (ʤ-, ʒ) \_j | d, t# 6 | d, -Ø- | d, z 1 | d-, Ø |
| gj, gw \_e,i | ʣ | ʣ | z, s# 6 | z | z, j 1 | z, (ʒ, j C\_) 1 |
| g, gw | g | g-, ɣ | g, ʤ \_e,i, k# 6 | g,ʤ \_e,i,(-Ø-,-j 3)7 | g, ɣ 1, ʤ \_j; j,i\_C/# | g-, Ø 1, (ʒ, j1) 4 |
| g(w) *+* ə/i/o + w | gw | g: | gw | gw, -w- | b, -v- | b-, Ø |
| dw, d *+* ə/i/o + w | dw | d: | b, p# 6 | b, -v- | dw | dw-, v |
| pʰ, x \_t,r,l | f | p-, f | f, v V,l,n\_V | f, v V,l,n\_V | f | f, v V,l,n\_V |
| tʰ | θ | t-, -f-, x~χKor. | θ, ð V,l,n\_V | t, d V,l,n\_V | #t, s,  ʃ \_j,r; r,l\_, t lex. | θ, ð V,l,n\_V |
| kʰj, skj | ʃ | ʃ | ʃ | ʃ | ʃ | ʃ |
| kʰ | x | k-, x~χKor. | x, ç \_i,j;i\_ | x, ç \_i,j | x | h |
| pʰw, kʰw | xw ~ ʍ | ħ, ʔ Kor. | #xw-, f | #xw-, f | f | f, v V,l,n\_V |
| #w | v | b-, v | v | v | v | v-, Ø |
| #j, gj- lex., -gj- V.unstr | ʒ | ʒ | ʒ | ʤ | j | ʒ, j C\_ |
| g- lex. | ɣ | g-, ɣ | #Ø, g | #Ø, g, -Ø-, -j 3 | ʁ | ɹ-, Ø |
| s, x \_m,n | s | s, Ø V\_C | s, z V,l,n\_V | s, z V,l,n\_V | s, ʃ j,i\_C/# | s, z V,l,n\_V, -Ø# |
| s V:\_ | ss | s: | s(:) | s | s:, ʃ: j,i\_C/# | s |
| tʰj, sj | sj | ʃ | sj | sj | ʃ | sj, zj V,l,n\_ |
| sk, skw | sk | #sk-, ks | sk, ʃ \_e,i | sk, ʃ \_e,i | sk, ʃ \_j; j,i\_C/# | #sk, k, ʃ4 |
| h~x | h | ħ, ʔ Kor. | h, -ɦ-, g coron.\_ | h, -ɦ-, g coron.\_ | h, ɦ l,n,r\_ | Ø, v l,n\_ |
| m | m | m, -Ø Kor. | m, -Ø 5, v\_r,l | m, -Ø 5, v\_r,l | m, (v, #Ø)\_r,l | m, -n, Ø\_r,l |
| n | n | n, ɲ \_j; j,i\_C/# -Ø Kor. | n, ɲ \_j, -Ø 5 | n, -Ø 5 | n | n, ɲ \_j |
| r | r | ʁ | ɾ, -r, ɾʲ \_j | r ~ ʁ | r, ʁ \_h | r, ɹ \_h |
| l, j p,b,f\_ | l | l, ʎ \_j; j,i\_C/# | l, ʎ \_j | l, -ɫ~w dia. | l, ɫ V:\_ | l, ʎ \_j |
| hj, -j- | j, Ø CC\_ | j, Ø I-mut. | j, Ø I-mut. | j, Ø I-mut. | j, Ø orig. CC\_ | ʒ, j C\_ |
| hw, -w- | w, Ø CC\_ | Ø U-mut., -ʔ- | w, j a,o,u\_V | w, j a,o,u\_V | w, Ø orig. CC\_ | v, w C\_ |
| r V:\_ | rr | ʕ, r Kor. | r, ɾʲ \_j | r ~ ʁ | r | r |
| l V:\_ | ll | ɫ, l Kor. | l:, -l | l, -ɫ~w dia. | l | l, ʎ \_j |

1 Between or after vowels; between *r, l, m, n* and a vowel

2 Between *r* or *l* and an (early Néteran) vowel. The vowel might be lost by later developments

3 Between *e, i, j* and *r, l, m, n*; in some dialects of Southern Néteran — also word-finally after *e, i, j*.

4 Before *e, i,* or *j*; also between *i* or *e* and a consonant or end-of-word

5 Before *p, t, ʦ, ʧ* or *k*, if another nasal or a liquid (*l, r*) is in the same stem

6 In western dialects; considered substandard but regularized in name spellings

7 Also in some common words in Imperial Néteran, e.g. \**ánagas > ánas*; *\*mégras > méyras*

Vowel blending in Common Erdahalión

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | -v/ð/ɣ | -a | -ɛ | -e(:) | -i(:) | -ɔ | -o | -u(:) | -ej | -ow | -áj | -áw |
| Stressed | á(:) | á: | | | áj | | áw | | | áj | áw | — | |
| ɛ́ | é: | ǽ:ɑ | é: | | éj | é:o | | i:ʊ | éj | é:o |
| é(:) | é: | éj | |
| í(:) | í: | já | jɛ́ | je(:) | í: | jɔ́ | jó | jéj | jów |
| ɔ́ | ó: | | ǿʏ | | | ó: | | ów | ǿʏ | ów |
| ó | ó: | ów | |
| ú(:) | ú: | wá | wɛ́ | wé(:) | wí | wɔ́ | wó(:) | ú: | wéj | wów |
| Unstressed | a(:) | a: | | ɛ | aj | | ɔ | aw | | aj | aw | áj | áw |
| ɛ | e: | æ:ɑ | e: | ej | e:o | | i:ʊ | ej | jow |
| e | ja | je | jáj | jáw |
| i(:) | i: | jɛ | je(:) | i: | jɔ | jo |
| ɔ | o: | o: | | øʏ | | ɔ | o: | ow | wej | ow | áj | áw |
| o | wa | wɛ | wo | wáj | wáw |
| u(:) | u: | we(:) | wí | wɔ | wo | u: |

Vowels

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| C. Cont. origin | C. Érdahal | Córderan | Néteran | South Net. | Téleran | Western Tel |
| ǝR, (am, an) spor. | əR | oRe \_C#, óR, ɑR | Rá, eR | Rá, eR | eRe~oRo \_C#, Rá, eR | Rá, əR |
| ɑ | a | ɑ́, ə | á, ə | á, ə | a | ɑ, ə/Ø 2 |
| ǝ/ɪ cl. un, ɑj op.un\_C/# | e | ɛ | e, i op.un !\_# | e, i op.un !\_# | e | e, ə/Ø 2 |
| ǝ́j, ǝ́ \_r,l | ɛ | e | e | é, i | é, i, ə/Ø 2 |
| ʊ cl. un, ɑw op.un\_C/# | o | ɔ | o, u op.un !\_# | o, u op.un !\_# | o | o, ə/Ø 2 |
| ǝ́w | ɔ | o | o | ó, u | ó, y, ə/Ø 2 |
| i, əi cl. un | i | ɪ | i, e# | i, e# | i, e op., Ø2S0S | i, e op., ə/Ø 2 |
| u, əw cl. un | u | ʊ | u | u | u, o op. , Ø2S0S | y, o op., ə/Ø 2 |
| ɑ:, ɑD1 | a: | a: | á, ə | á, ə | a | ɑ, ə/Ø 2 |
| ǝ́, ǝ́D, ɪD, ɑjD | e: | e: | ja, jə | ja, jə | je | #ʒe, i, jé |
| ʊD, ɑwD | o: | o: | wa, wə | wa, wə | wo | #vo, u:, wó |
| i:, ɑ́j un.Erd | i: | i: | i | i | i | i |
| u:, ɑ́w un.Erd | u: | u: | u | u | u | y |
| ɑ́j | aj | æj | aj, əj | aj, əj | ɛ:, -i# | a:, -e# |
| ɑ́w | aw | ɔ | aw, əw | aw, əw | ɔ:, -u# | u:, ɔ: \_m,n,r,l |
| ə́j# | ej | ej | ej, e: \_r,l | éj, e: \_r,l, i | aɪ | ɔɪ, wɑɪ k,g,h\_ |
| ə́w# | ow | o:, u: lex. | ow, o: \_r,l | ów, o: \_r,l, u | u: | u: |
| ( from  blends ) | æ:ɑ | éj, jə | ejá, eə | ejá, eə | ja | ɛ:, jé |
| e:o | éj, jɔ | ejó, eʊ | ejó, eʊ | jo | ɔ:, jó |
| i:ʊ | í:, jʊ | y | i, u spor. | ɔɪ | œ: |
| øʏ | új, oj | ø, y op.un !\_# | oj, i op.un !\_# | ɛɪ | ɛ: |

1 D represents original *b, d, g* which turned into *v, ð*, *ɣ* in Áltheran and vanished in Erdahalión

2 Short non-high vowels are reduced to *ə* in open unstressed syllables, and to zero (Ø) in two-sided open unstressed syllables (2SOS) or word-finally

Vowel mutations (largely reversed in Téleran, as a result of leveling)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Regular C.Erd | -*j* next syll. | *-w* next syll. | I-mutation reflexes | U-mutation reflexes |
| a | ɛ | ɔ | Córderan / Kórdorras:  ɑ, ɔ > ɛ  ɛ, ʊ > ɪ  ɪ, e:, i: > i:  a: > e:  o:, u: > új, oj  aj, oj/uj > ej  ej, ju > i:  Néteran  a > e, ja\*  e > i  o > e, ø\*  i, ej > ja  u > y, wi\*  aj, ø > ej  aw, ow > ejo  eja, ejo > iwe  y, ju > wi  wi, wej > wi | Córderan / Kórdorras:  ɑ, ɛ > ɔ  ɔ > ʊ  ɪ, i: > ju  ʊ > u:  a:, oj > o:  e: > új, oj  o:, u:, új > u:  aj, ej > új, oj, jɔ\*  ju > iʔɑ ~ jɑ  Néteran  a > o, wa\*  e > o  o > u  i > y, ju\*  u, ow > wa  aj, ej, ja > ø  aw > ow  eja > ejo  ø, ejo > y  y > iwa  ju, jow, wi > ju |
| e | i | o |
| ɛ | ɔ |
| o | e | u |
| ɔ | ɛ |
| i | iə | y |
| u | y | uə |
| a: | e: | o: |
| e: | i: | øʏ |
| o: | øʏ | u: |
| i: | i: | i:ʊ |
| u: | u:ɪ | u: |
| aj | ej | øʏ |
| ej | iə |
| aw | e:o | ow |
| ow | uə |
| æ:ɑ | i.e | e:o |
| e:o | i:ʊ |
| øʏ | ej |
| i:ʊ | wi | yə |

\* No longer regular in daughter languages, from original long vowels

In Néteran, if mutation resulted in word-initial (*r, l*)+(*j ,w*), an prosthetic *a-* was added to the word.

**Reflexes of nominal endings in the Erdahalión branch**

Consonant declension

Inherits from Áltheran *masculine A* declension; some *consonant* declension sonorant nouns were reanalyzed as pertaining here, including stems in –*éj* or -*ów*.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | ə > Ø | ə | Ø | Ø, as 5 | Ø | Ø |
| acc | o | ɔ | ɔ | o | a 7 |
| gen | ai > i: | i: | i | i | i | i |
| dat | u |  |  | u | o |  |
| loc 1 | on |  |  | on |  |  |
| inst 2 | əm |  |  | am |  |  |
| voc | e | ɛ | ɛ | e | (e) marginal |  |
| Plural | nom | áj, Ø I-mut. | ǽj | ej | Ø I-mut. | i | e |
| acc | es | ɛs | ɛs | es I-mut. (7 | es |
| gen | si I-mut. (7 | si I-mut | ɪs I-mut | i I-mut. | si 8 | s/z |
| dat | an ~ ən |  |  | en | an |  |
| loc 3 | en |  |  |  |  |
| inst 4 | (ə)mi |  |  | (a)me |  |  |
| Part. | nom | am ~ əm | ɛm | ɔʁ |  |  |  |
| acc | ər | əʁ |  |  |
| gen | ándi | ɑ́ndɪ | ɑ́d:ɪ |  |  |  |

S-declension (Inherits from Áltheran *consonant* declension in *–s*)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | s | Merged with Consonant  declension | | s | (s, ʃ j,i\_) 9, Ø | Ø |
| acc | a | a | a |
| gen | ej > i, di | i | e | i 6 |
| dat | u | u | o |  |
| loc 1 | an | an |  |  |
| inst 2 | əm | am |  |  |
| Plural | nom | es | es | e[s] | e |
| acc |
| gen | si | si | si 8 | s/z |
| dat | ən | en | an |  |
| loc 3 | en |  |  |
| inst 4 | mi | (e)me |  |  |

A-declension (Inherits from Áltheran *feminine A* declension)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | a | ət 10 | ɛt 10 | a | a | Ø spelled ***e*** |
| acc | e | ɛt 10 | e | e |
| gen | áj | æj | i | aj | i | i 6 |
| dat | i |  |  | e | e |  |
| loc 1 | en |  |  | en |  |  |
| inst 2 | aj |  |  | aj |  |  |
| Plural | nom | ai > i: | ɑ́x 10 | ɛχ 10 | i | i | i |
| acc | e: > ej | ej | i | ej | aɪ | Ø |
| gen | (e)si | ɛ́**n**sɪ | ɛs | is irreg. | si 8 | s/z |
| dat | an ~ ən |  |  | en | an |  |
| loc 3 | e:n |  |  | jan |  |  |
| inst 4 | (ə)mi |  |  | áme |  |  |
| Part. | nom | am ~ əm | ɑ́n 11 | ɛʁ 11 |  |  |  |
| acc | ər | ɛʁ 11 |  |  |
| gen | ándi | ɑ́ndɪ | ɑ́d:ɪ |  |  |  |

A-declension, -IA paradigm (*feminine*)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | ja | \*jət 10 > i:t 12 | jə | ja | ja | jə > i |
| acc | je | jɛt 10 | jɛ | je | je | jə |
| gen | jáj ~ je: | je: | je | \*ja > jas 13 |
| dat | i: |  |  | i | e |  |
| loc 1 | jen |  |  | jen |  |  |
| inst 2 | jaj |  |  | jaj |  |  |
| Plural | nom | je | jɑ́x 10 | jɛχ 10 | je | je | jə |
| acc | je: > (j)ej | ej | i | jes 13 | ji > je |
| gen | jɛ́si | jɛ́**n**sɪ | jɛs | jesə > jes | jési 8 | jez |
| dat | jan ~ jən |  |  | jen | jan |  |
| loc 3 | (j)e:n |  |  | jan |  |  |
| inst 4 | jami |  |  | jáme |  |  |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Part. | nom | jam | jɑ́n 11 | jɛʁ 11 |  |  |  |
| acc | jar | jɛʁ 11 |  |  |
| gen | jándi | jɑ́ndɪ | jɑ́d:ɪ |  |  |  |

Masculine Ī-declension (Inherits from Áltheran masculine *-IA* nouns of the A-declension)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | jə > i: | i: | i | i | i | i |
| acc | jo | jɔ | jɔ | jo > ejo | jo > ja 13 |
| gen | jai > je: | je: | je | ja | je | jə |
| dat | ju |  |  | ju | jo |  |
| loc 1 | jon |  |  | jon > ejon |  |  |
| inst 2 | jəm |  |  | jam |  |  |
| voc | je | jɛ | jɛ | je | (je) marginal |  |
| Plural | nom | jes | jɛs | jɛs | jes | je[s] | jə |
| acc |
| gen | jɛ́si | jɛ́**n**sɪ | jɛs | jesə > jes | jési 8 | jez |
| dat | jan ~ jən |  |  | jan | jan |  |
| loc 3 | jen |  |  | jen |  |  |
| inst 4 | jami |  |  | jáme |  |  |
| Part. | nom | jam | jəm | jɔʁ |  |  |  |
| acc | jar | jəʁ |  |  |
| gen | jándi | jɑ́ndɪ | jɑ́d:ɪ |  |  |  |

Feminine Ī-declension (Inherits from Áltheran *-IS* nouns of the I-declension)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | i: | Merged with the –IA paradigm  (“new feminine I” declension) | | i, is 5 | i | i |
| acc | i | e | e |
| gen | i: | i | i |
| dat | je | je | je |  |
| loc 1 | in | in |  |  |
| inst 2 | ii > \*i: > ej 13 | ej |  |  |
| Plural | nom | jes | jes | je[s] | jə |
| acc |
| gen | ɛ́si | ésə > es | ési 8 | ez |
| dat | en, jən | jan | en |  |
| loc 3 | jen | jen |  |  |
| inst 4 | ɛmi | éme |  |  |

Short I-declension (Inherits from Áltheran I-declension)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | i | ɪ | ɪ | e | Ø, e CC\_ | Ø spelled ***e*** |
| acc | o | ɔ | ɔ | o | a 6 |
| gen | i: | i: | i | i | i | i |
| dat | u |  |  | u | o |  |
| loc 1 | on |  |  | on |  |  |
| inst 2 | im |  |  | am 6 |  |  |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Plural | nom | Ø I-mut. | Ø I-mut. | Ø I-mut. | Ø I-mut. | i 7 | e |
| acc | wes | es U-mut. | es U-mut. | es I-mut. (6+7 | es |
| gen | si I-mut. | si I-mut | ɪs I-mut | i I-mut. | si 8 | s/z |
| dat | en |  |  | en | an 7 |  |
| loc 3 | wen |  |  |  |  |
| inst 4 | emi |  |  | (a)me 6 |  |  |
| Part. | nom | em | ɛm | ɛʁ 7 |  |  |  |
| acc | or | ɛʁ 7 |  |  |
| gen | índi | ɪˊndɪ | ɪˊd:ɪ |  |  |  |

U-declension, main paradigm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | u | ʊ | ʊ | u | o | Ø |
| acc | wa | ə U-mut. | ə U-mut. | wa | wa |
| gen | új, wi | oj U-mut. | ɪ U-mut. | y | ɛɪ | ɛ: |
| dat | u: |  |  | \*u > ow 13 | u |  |
| loc 1 | wan |  |  | wan |  |  |
| inst 2 | um |  |  | um |  |  |
| Plural | nom | (w)es,  Ø U-mut. | Ø U-mut. | Ø U-mut. | es | e[s] | e |
| acc | ys 13+14 | Ø |
| gen | si U-mut. | si U-mut | ɪs U-mut | si 14 | si 8 | s/z |
| dat | on |  |  | on | on |  |
| loc 3 | wen |  |  | en U-mut. |  |  |
| inst 4 | ɔmi |  |  | (a)me U-mut. |  |  |
| Part. | nom | om | ɔm | ɛʁ U-mut |  |  |  |
| acc | wer | ɛʁ U-mut |  |  |
| gen | úndi | ʊ́ndɪ | ʊ́d:ɪ |  |  |  |

U-declension, -IU paradigm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran\* | West Tel |
| Singular | nom | ju | Merged with regular U declension, *without* I-mutation | | Nouns distributed between either Short-I declension or  U-declension, with *I-mutation* | jo | Ø |
| acc | iwa | (e)wa |
| gen | júj, jui | jɛɪ | jɛ: |
| dat | ju: | ju |  |
| loc 1 | iwan |  |  |
| inst 2 | jum |  |  |
| Plural | nom | jes | je[s] | jə |
| acc |
| gen | jɔ́si | jési 8 | yz |
| dat | jon | jon |  |
| loc 3 | jen |  |  |
| inst 4 | jɔmi |  |  |

1 The Áltheran *locative* *singular* endings were formed by suffixing *–n* to the accusative endings

2 The Áltheran *instrumental* *singular* endings were formed by suffixing *–m* (feminine *–vi*) to the   
nominative endings

3 The Áltheran *locative* *plural* endings were formed by substituting *–n* for *–s* in the accusative endings

4 The Áltheran *instrumental* *plural* endings were formed by repurposing the dual oblique endings

5 In learned words

6 By merger of *Consonant-, Short-I* and (in Téleran) *S-* declensions

7 By analogy

8 Reversing *i* > *e* through learned forms

9 Retained mostly for monosyllabic stems

10 Origin unknown. Feminine plural *-ách* perhaps from Mágeran feminine acc. plural *-áth*

11 Influenced by Séracal feminine plurals

12 By analogy to *masculine Ī* declension

13 Syntactic dissimilation

14 Reversing the U-mutation by normalization

\* Final [*s*] is dropped in the 1st element of a compound. The following consonant undergoes Téleran’s regular post-vocalic mutation (i.e. *p, t, ts, c/k*, *kh* > *b, d, z, g, rh*; and *b, d, z, g > v, z, y, gh*; respectively).

Similarly, final *i* is dropped in a two-sided open syllable, e.g. *túri + Phanchós = Tur Phanchós*

Consonantal suffix assimilation

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Stem ends in | +s | +si | +ci | +me Net. | +i/ndi | +wa | +t incl. to, te… |
| p | ps | psi | pʧi | mme | pi | wa | pt |
| b | bi |
| pt | ptéme | pti | ptwa Tel. | pst |
| ps | pʃi | pséme | psi | pswa Tel. |
| t | ʦ, s 1 | ʦ:i 2 | ʧ:i | dme | ti | twa | st |
| d | di | dwa |
| ʦ | ʦes | ʦme | ʦi | ʦwa | ʦt |
| ʧ Tel. | ʧes |  | ʧi | ʧwa | ʧt |
| ʤ Tel. | ʤes |  | ʤi | ʤwa |
| k | ks | ksi | ʧ:i, kʧi Tel. | gme | ʧi | kwa | kt |
| g | ʤi | gwa |
| kt | ktéme | kti | ktwa Tel. | kst |
| ks | kʃi | kséme | ksi | kswa Tel. |
| f | s, fs Tel. | si, fsi Tel. | ʧi, fʧi Tel. | mme | vi, fi Tel. | wa | ft |
| v Tel. |  | vi |
| θ Net. | s | s:i | ʧi | ðme | ði | θwa | st |
| s | s: | s:i | ʃ:i | zme | si, zi 3 | swa |
| z | zi | zwa |
| ʃ | ʃme | ʃi | ʃwa | ʃt |
| x | ks | ksi | ʧ:i, xʧi Tel. | xme | xwa | xt |
| ɣ Tel. |  | ʤi | (ɣ)wa |
| m | mps | mpsi | mpʧi | mme | mbdi,ndi Net. | ŋ(g)wa | met, mpt \_V |
| n | ns | nsi, ri Net. | nʧi | n(g)me | ndi | nt |
| r | res | rsi, ri Net. | rʧi | rme | ri | wa | rt |
| r: Net. | r:es | r:i | rdi | r:et |
| l | les | lsi, lzi 3 | lʧi | lme | li | lwa | lt |
| l: Net. | l:es | ldi | l:et |
| ɫ Tel. |  | ɫsi | ɫʧi |  | ɫi | wa | ɫet |
| w | -ws | -wsi | -wʧi | me | -wdi | t |
| j | -js, jʃ Tel. | -jsi | -jʧi | -jme | -jdi | -jwa | -jt |
| V 4 | Vs | Vsi, Vzi 3 | Vʧi | Vme | Vndi | Vwa 5 | Vt |

1 In the *S-declension*; retained from Áltheran

2 Spelled *tsi*, same as short *ʦi*

3 In Néteran; spelled with *si*

4 V represents any vowel

5 With regular *uwa, u:wa* > *owa, ɔ:wa*

**Reflexes of adjectival and pronominal endings in the Erdahalión branch**

A-declension adjectives

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Sg. Masculine | nom | o | ət 10 | ɛt 10 | o | Adjectives are indeclinable,  always having the  *stem* form, and always appearing before  the noun | |
| acc | a | ɛt 10 | a |
| gen | es | æj | i | es |
| dat | u |  |  | u |
| loc 1 | an |  |  | an |
| inst 2 | om |  |  | om |
| Sg. Feminine | nom | a | ɑ́χ 10 | ɛχ 10 | a |
| acc | je | ej | i | e 5 |
| gen | as | ɛ́sɪ | ɛs | as |
| dat | i |  |  | e |
| loc 1 | jen |  |  | en 5 |
| inst 2 | aj |  |  | aj |
| Sg. Neuter | nom | e |  |  | e |
| acc | wo |  |  | o 5 |
| gen | i:s |  |  | is |
| dat | u |  |  | u |
| loc 1 | won |  |  | on 5 |
| inst 2 | em |  |  | em |
| Plural | nom | i: | ɑ́n 11 | ɛʁ 11 | i |
| acc | ej | ɛʁ 11 | ej |
| gen | (e)si | ɑ́ndɪ | ɑ́d:ɪ | si, ési CC\_ |
| dat | an ~ ən |  |  | en |
| loc 3 | e:n |  |  | (j)an |
| inst 4 | (ə)mi |  |  | me, éme CC\_ |

I-declension adjectives

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Singular | nom | i | ət 10 | ɛt 10 | i 5 | Adjectives are indeclinable,  always having the  *stem* form, and always appearing before  the noun | |
| acc | wo, e:o spor. | ɛt 10 | ejo |
| gen | i:s | æj | i | is |
| dat | ju |  |  | ju > y spor. |
| loc 1 | won, e:on |  |  | ejon |
| inst 2 | im |  |  | im |
| Plural | nom | i: | ɑ́n 11 | ɛʁ 11 | i |
| acc | jes | ɛʁ 11 | jes |
| gen | (e)si | ɑ́ndɪ | ɑ́d:ɪ | esi |
| dat | en |  |  | en |
| loc 3 | jen |  |  | jen |
| inst 4 | imi |  |  | ime |

Consonant declension adjectives

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Singular | nom | Ø | ət 10 | ɛt 10 | Ø | Adjectives are indeclinable,  always having the  *stem* form, and always appearing before  the noun | |
| acc | a | ɛt 10 | a |
| gen | es | æj | i | (e)s |
| dat | u |  |  | u |
| loc 1 | an |  |  | an |
| inst 2 | əm |  |  | am |
| Plural | nom / ac | es | ɑ́n 11 | ɛʁ 11 | es |
| gen | si | ɑ́ndɪ | ɑ́d:ɪ | si |
| dat | ən |  |  | en |
| loc 3 | en |  |  |
| inst 4 | (ə)mi |  |  | (e)me |

Personal pronouns, first person

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Singular | nom | ni: | ni: | ni | ni | ne | nə |
| acc | nwa | nə | nə | nwa | nwa | nwɑ |
| da / lo | né:o |  |  | néjo | njo | nɔ: |
| inst 2 | ni:m |  |  | nem spor. |  |  |
| poss 7 | náni: | nɑ́ni: | naj | náni | ná.i > naɪ | nɔɪ |
| clitic | -(ə)n | -ni, -i CC\_ | -ni, -i CC\_ | -(e)n | -ne |  |
| Plural | nom | men | mɛn | mɛ | men | mɛ:n | ma: |
| acc | majs | mæjs | məjs | mejs | maɪs | mɔɪ |
| dat | mjen |  |  | mjen | mjen | mjən |
| loc | wejn 8 |  |  | wejn |  |  |
| inst 4 | wɛ́mi |  |  | wéme |  |  |
| poss 7 | méni: | mɛ́ni: | mej | méni | mé.i > mɛɪ | mɛ: |
| clitic | -we 8 | -u: | -u | -we | -we |  |

Personal pronouns, second person

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Singular | nom | køʏ | koj | ko | kø | kɛɪ > ke | ʃə |
| acc | kwa | kə | kə | kwa | kxa | ʃwɑ 5 |
| da / lo | ké:o |  |  | ʧéjo | ʧo | ʃə |
| inst 2 | køʏm |  |  | køm |  |  |
| poss 7 | kǿʏni: | kújni: | koj | kǿni | kɛɪni | ʃɛ: |
| clitic | -(ə)k | -kə, -xə V\_ | -kə, -χə V\_ | -(e)k | -ke |  |
| Plural | nom | kwen | kɛn | kɛ | kwen | kxen | ken |
| acc | kows | ko:s | kus | kwes 5 | kxes 5 | kə |
| dat | kon |  |  | kon | kon | kon |
| loc | kown |  |  | kwons spor. |  |  |
| inst 4 | ke:mi 8 |  |  | kjáme |  |  |
| poss 7 | kwéni: | kéni: | kej | kwéni | kxé.i > kxɛɪ | kɛ: |
| clitic | -(ə)ku: | -ku: , -xu: V\_ | -ku, -χu V\_ | -(i)ku | -ku |  |

Personal pronouns, third person (based on demonstratives by analogy)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Case | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Sg. Masculine | nom | tøʏ 5 | toj | to | tø | tɛɪ > te | tə |
| acc | twa 5 | tə | tə | twa | twa | twɑ |
| da / lo | tu |  |  | téjo 5 | to | tə |
| inst | tøʏm 5 |  |  | tøm |  |  |
| poss 7 | tǿʏni: | tújni: | toj | tǿni | tɛɪni | tɛ: |
| clitic | -(ə)t | -tə, -sə V\_ | -tə, -sə V\_ | -(e)t | -te |  |
| Sg. Feminine | nom | ta | tə | tɛ | ta | ta | tɑ |
| acc | tje | tɛ | tje | tje | tjə |
| da / lo | ti |  |  | ti | te | tə |
| inst | taj |  |  | taj |  |  |
| poss 7 | táni: | táni: | taj | táni | tá.i > taɪ | tɔɪ |
| clitic | -(ə)ta | -ə, -ħə V\_ (10 | -ə, -ʔə V\_ (10 | -(i)ta | -ta |  |
| Sg. Neuter | nom | te | Merged with masculine | | te | ze 9 | zə |
| acc | two | to | zwá | zwɑ |
| da / lo | tu | tu | zo | zə |
| inst | tem | tem |  |  |
| poss 7 | téni: | téni | zɛɪ | zɛ: |
| clitic | -(ə)te | -(i)te | -ze |  |
| Reflexive 11 | nom | se | sɛ | sɛ | se | se | sə |
| acc | swa 5 | sə | sə | swa | swa | swɑ |
| da / lo | su |  |  | séjo 5 | so | sə |
| inst | sem |  |  | sem |  |  |
| poss 7 | séni: | sɛ́ni: | sej | séni | sé.i > sɛɪ | sɛ: |
| clitic | -(ə)se |  |  | -(e)s 5 | -se |  |
| Plural | nom | ten | tɛn | tɛ | ten | ten | ten |
| acc | tejs | tejs | tejs | tejs | taɪs | tɔɪ |
| da / lo | tjen |  |  | tjen | tjen | ʒen |
| inst | tɛ́mi |  |  | téme |  |  |
| poss 7 | té:ni: | té:ni: | téni | tjáni | té.i > tɛɪ | tɛ: |
| clitic | -(ə)tu: | -tu:, -su: V\_ | -tu, -su V\_ | -(i)tu | -tu |  |

1 The Áltheran *locative* *singular* endings were formed by suffixing *–n* to the accusative endings

2 The Áltheran *instrumental* *singular* endings were formed by suffixing *–m* (feminine *–vi*) to the   
nominative endings

3 The Áltheran *locative* *plural* endings were formed by substituting *–n* for *–s* in the accusative endings

4 The Áltheran *instrumental* *plural* endings were formed by repurposing the dual oblique endings

5 By analogy

6 Resisted change, presumably as a dissimilation from the A-declension nominative neuter

7 Declined as I-declension adjectives; precede the noun

8 Contaminated by dual/plural forms

9 Téleran created a new *abstract reference* (“it”) pronoun based on the singular masculine with *t* > *z*

10 Origin of *s > ħ* unknown

11 Based on the Áltheran neuter anaphoric “pronoun”

**Reflexes of verbal endings in the Erdahalión branch**

Athematic (consonant) conjugation, strong verbs (stress on stem)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | u | ʊ | ʊ | o 1 | o | Ø |
| 2s | es | ɛ | ɛ | es, s 2 | iʃ 4 | e |
| 3s | e(t) | et, ft 2, t 3 | e | Ø |
| 1p | imu | ɪmʊ | ɪmʊ | imu | emo | e |
| 2p | ites | ɪsɛs | ɪsɛs | ites, tes 2+3 | edes |
| 3p | ent | ɛnt | ɛt: | ent, nt 2+3 | ent |
| past | 1s | to | Re-created from passive participles; endings in  ən (masc), nət(fem),  nɛ(neuter) and næj(plural) | | to | to | t, əd CC\_ |
| 2s | ti: | ti | ti |
| 3s | (t) | t | Ø |
| 1p | tam(i) | tam | tam | tɑ |
| 2p | tas(ti) | tas | tas |
| 3p | tan(t) | tan | tu spor. |
| Imperative | 2s | i | ɪ | Ø | Ø, j 2 | e, Ø 2S0S | Ø |
| 3s | (e)ti |  |  | te, jte 2 |  |  |
| 1p | (e)mi | (ɛ)mɪ | (ɛ)mɪ | me | em |  |
| 2p | iti | ɪsɪ | ɪsɪ | te, jte 2 | ede, de 2S0S | eð |
| 3p | en(ti) |  |  | en |  |  |
| Infinitive | | e: | e: | e | (j)a 5 | (j)e | gə—Ø |
| Gerund | | é:nʣa | é:nʣə | éʣ:ə | (j)ánza 5 | (j)énja | iɲ |
| Gerundive | | é:ndo … | e:nd, é:ndət… | ed:, éd:ɛt… | éndo, jándo 2+3 | (j)ens | ind |
| Potential | | imo … | ɪm, ɪmət … | ɪm, ɪmɛt … | imo … | em |  |
| Result | | (ə)ma | (ə)mə | (ə)mə | (i)ma | (e)wa spor. | wə, əvə |
| Process | | ja | (j)ə 5 | i, ə 5 | (j)a 5 | (j)a | (j)ə |
| State | | (e)ru | (ɛ)ʁʊ | (ɛ)ʁʊ | (i)ru | (e)ro | (ə)rə |
| Agent | | ― various ― | | | el, (i)la, … | er/ra, iʧ/ka, … | er/ə, iʃ/ə |
| Patient | | en, (i)na, … | eln, elna, … | en |

Athematic conjugation, weak verbs in –I (stress on suffix)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | jów | ʊ | ʊ | jów | jú: | jú: |
| 2s | jé:s | ɛs | ɛs | jás | jéʃ 4 | jé |
| 3s | jé:(t) | ɛ | ɛ | ját | jé |
| 1p | jé:mu | ɪmʊ | ɪmʊ | jámu | jémo |
| 2p | jé:tes | ɪsɛs | ɪsɛs | játes | jédes |
| 3p | jé:nt | ɛnt | ɛt: | jánt | jént |
| past | 1s | itó | Re-created from passive participles; endings in  ən (masc), nət(fem),  nɛ(neuter) and næj(plural) | | íto | édo | éd |
| 2s | ití: | íti | édi |
| 3s | í(t) | ít | í |
| 1p | itɛ́m(i) | ítem | édam 4 | éɹə |
| 2p | ité:s(ti) | ítjas | édas 4 |
| 3p | ité:n(t) | ítjan | édu 4 |

continued next page ⮱

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Imperative | 2s | jé: | ɪ | Ø | já | jé | jé |
| 3s | ɛ́ti |  |  | éte |  |  |
| 1p | ɛ́mi | (ɛ)mɪ | (ɛ)mɪ | éme | ém |  |
| 2p | jé:ti | ɪsɪ | ɪsɪ | játe | jéde | jéð |
| 3p | jé:nti |  |  | jánte |  |  |
| Infinitive | | éj | e: | e | éj | áɪ | gə—ɔ́ɪ |
| Gerund | | ínʣa | é:nʣə | éʣ:ə | ínza | ínja | íɲ |
| Gerundive | | índo … | e:nd, é:ndət… | ed:, éd:ɛt… | índo … | ins | índ |
| Potential | | jé:mo … | ɪm, ɪmət … | ɪm, ɪmɛt … | jámo … | áɪm |  |
| Result | | ɛ́ma | (ə)mɔ | (ə)ma spor. | éma | éwa spor. | évə |
| Process | | ǽ:ɑ | (j)ə 5 | i, ə 5 | éja | já | ɛ́: |
| State | | ɛ́ru | (ɛ)ʁʊ | (ɛ)ʁʊ | éru | éro | érə |
| Agent | | ― various ― | | | íl, ilá, … | ír/éra, jéʧ/ka, … | ér/ə, jéʃ/ə |  | er/irə, iʃ/ə |
| Patient | | ín, iná, … | íln, ílna, … | ín |  | en |

Athematic conjugation, weak verbs in –U (stress on suffix)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | wó | ʊ | ʊ | wó | wó | wó |
| 2s | wís | ɛs | ɛs | wís | úʃ | wí |
| 3s | wí(t) | ɛ | ɛ | wít | wé |
| 1p | wímu | ɪmʊ | ɪmʊ | wímu | wémo | wé |
| 2p | wítes | ɪsɛs | ɪsɛs | wítes | wédes > úde |
| 3p | wínt | ɛnt | ɛt: | wínt | wínt | wí |
| past | 1s | utó | Re-created from passive participles; endings in  ən (masc), nət(fem),  nɛ(neuter) and næj(plural) | | úto | ódo | ód |
| 2s | utí: | úti | ódi |
| 3s | ú(t) | út | ú |
| 1p | utɔ́m(i) | útom | ódam 4 | óɹə |
| 2p | uté:s(ti) | útjas | ódas 4 |
| 3p | uté:n(t) | útjan | ódu 4 |
| Imperative | 2s | wí | ɪ | Ø | wí | wé | wé |
| 3s | ɔ́ti |  |  | óte |  |  |
| 1p | ɔ́mi | (ɛ)mɪ | (ɛ)mɪ | óme | óm |  |
| 2p | wíti | ɪsɪ | ɪsɪ | wíte | wéde | wéð |
| 3p | wínti |  |  | wínte |  |  |
| Infinitive | | ǿʏ | ǿʏ | e | ǿ | ɛ́ɪ | gə—ɛ́: |
| Gerund | | únʣa | únʣa | éʣ:ə | únza | únja | ýɲ |
| Gerundive | | úndo … | úndo … | ed:, éd:ɛt… | úndo … | uns | ýnd |
| Potential | | wímo: … | wímo: … | ɪm, ɪmɛt … | wímo … | wím |  |
| Result | | ɔ́ma | ɔ́mo 2 | (ə)ma spor. | óma | ówa spor. | óvə |
| Process | | ó: | ó: | i, ə 5 | wá | wó | wó |
| State | | ɔ́ru | ɔ́ru | (ɛ)ʁʊ | óru | óro | órə |
| Agent | | ― various ― | | | úl, ulá, … | úr/óra, wíʧ/ka, … | órə, wíʃ/ə |
| Patient | | ún, uná, … | úln, úlna, … | ‎ýn |

A-conjugation

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | áw | ɔ | ɔ | áw | a**m** | an |
| 2s | ájs | æj | i | ájs | aʃ | e |
| 3s | ájt | ájt | i |
| 1p | ájmu | ǽjmʊ | imʊ | ájmu | ɛ:mo | a: |
| 2p | ájtes | ǽjsɛs | isɛs | ájtes | ɛ:des |
| 3p | ájnt | ǽjənt | (ə)jet: | ájnt | ɛ:nt |
| past | 1s | áto | Re-created from passive participles; endings in  ən (masc), ənət(fem),  ənɛ(neuter) and  ənæj(plural) | | ato | ado | ɑd |
| 2s | áti: | ati | adi |
| 3s | á(t) | at | a |
| 1p | átam(i) | atam | adam | əɹə |
| 2p | átas(ti) | atas | adas |
| 3p | átan(a) | atan | adu spor. |
| Imperative | 2s | áj | æj | i | áj | ɛ: | e |
| 3s | áti |  |  | áte |  |  |
| 1p | ámi | ɑ́mɪ | əmɪ | áme | am |  |
| 2p | ájti | ǽjsɪ | isɪ | ájte | ɛ:de | a:ð |
| 3p | ánti |  |  | ánte |  |  |
| Infinitive | | a: | a: | a: | á | á | gə—Ø |
| Gerund | | ánʣa | ɑ́nʣə | ɑ́ʣ:ə | ánza | ánja | ɑɲ |
| Gerundive | | ándo … | ənd, ɑ́ndət… | əd:, ɑ́d:ɛt… | ándo … | ans | ɑnd |
| Potential | | ájmo … | i:m, ǽjmət … | im, ǽjmɛt … | ájmo … | ɛ:m |  |
| Result | | áma | ɑ́mə | ɑmə | ama, áma lex. | awa spor. | əvə |
| Process | | á: | á: | a: | a | a | Ø |
| State | | áru | ɑ́ʁʊ | əʁʊ | aru, áru lex. | aro | ərə |
| Agent | | ― various ― | | | al, ala, … | ar/a, aʧ/ka, … | ɑr/ə, ɑʃ/ə |
| Patient | | an, ana, … | aln, álna, … | ɑn |

I-conjugation, main paradigm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran 6 | Téleran | West Tel |
| Present | 1s | é:o | jɔ | jɔ | éjo, y | é**w**o | jo |
| 2s | éjs | ej | i | éjs, is | eʃ | ɔɪ, wɑɪ k,g,h\_ |
| 3s | éjt | éjt, it | aɪt |
| 1p | éjmu | éjmʊ | imʊ | éjmu, im | áɪmo |
| 2p | éjtes | éjsɛs | isɛs | éjtes, ites | áɪdes |
| 3p | ént | ɛ́nt | ɛt: | ént, ent | ent | e |
| past | 1s | ɛ́to | Re-created from passive participles; endings in  ɛn (masc), (ɛ)nət(fem),  (ɛ)nɛ(neuter) and  (ɛ)næj(plural) | | Merged with unstressed vowel paradigm | ido | id |
| 2s | ɛ́ti: | idi |
| 3s | í(t) | i |
| 1p | ɛ́tam(i) | idam | iɹə |
| 2p | ɛ́tas(ti) | idas |
| 3p | ɛ́tan(t) | idu spor. |
| Imperative | 2s | í: | i: | i | í > é 4 | i | i |
| 3s | ɛ́ti |  |  | éte |  |  |
| 1p | ɛ́mi | ɛ́mɪ | ɛmɪ | éme | im |  |
| 2p | éjti | éjsɪ | isɪ | éjte | áɪde, aɪde dia. | ɔɪ, wɑɪ k,g,h\_ |
| 3p | ínti |  |  | ínti > én 4 |  |  |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran 6 | Téleran | West Tel |
| Infinitive | | éj | ej | i | éj | áɪ | gə—ɔɪ |
| Gerund | | ínʣa | ɪ́nʣə | ɪ́ʣ:ə | énza 4 | ínja | iɲ |
| Gerundive | | índo … | ɪnd, ɪ́ndət… | ɪd:, ɪd:ɛt… | éndo …  4 | ins | ind |
| Potential | | éjmo … | i:m, éjmət … | im, éjmɛt … | éjmo … | áɪm |  |
| Result | | ɛ́ma | ɛ́mə | ɛmə | ima, éma lex. | iwa spor. | ivə |
| Process | | ǽ:ɑ | éj | jə | éja | (e)ja | ɛ: |
| State | | ɛ́ru | ɛ́ʁʊ | ɛʁʊ | iru, éru lex. | iro | irə |
| Agent | | ― various ― | | | el, ila, … | er/ira, iʧ/ka … | er/irə, iʃ/ə |
| Patient | | en, ina, … | eln, élna, … | en |

I-conjugation, past tense with (originally) unstressed thematic vowel

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| past | 1s | ito | Merged with regular | | ito | edo | ed |
| 2s | iti: | iti | edi |
| 3s | e(t) | et | e |
| 1p | itam(i) | itam | edam | əɹə |
| 2p | itas(ti) | itas | edas |
| 3p | itan(t) | itan | edu spor. |

U-conjugation, main paradigm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran 6 | Téleran | West Tel |
| Present | 1s | ówo | o: | o | ów, ow | u: | u: |
| 2s | ówes | ɛ U-mut. | ɛ U-mut. | ójes > ǿs, ys | oes > oʃ | œ: |
| 3s | ówet | ójet > ǿt, yt | oet > ɔɪ |
| 1p | ówmu | ɪmʊ U-mut. | ɪmʊ U-mut. | ówmu, um | u:mo | u: |
| 2p | ówtəs | u:sɛs | usɛs | ówtes, utes | u:des |
| 3p | ónt | ɔnt | ɔt: | ónt, ont | ont | o |
| past | 1s | ɔ́to | Re-created from passive participles; endings in  ɔn (masc), ɔnət(fem),  ɔnɛ(neuter) and  ɔnæj(plural) | | Merged with unstressed vowel paradigm | udo | yd |
| 2s | ɔ́ti: | udi |
| 3s | ú(t) | u |
| 1p | ɔ́tam(i) | udam | yɹə |
| 2p | ɔ́tas(ti) | udas |
| 3p | ɔ́tan(t) | udu spor. |
| Imperative | 2s | ówi | oj | oj | ówi | ɔɪ | œ: |
| 3s | ɔ́ti |  |  | óte |  |  |
| 1p | ɔ́mi | ɔ́mɪ | ɔmɪ | óme | um |  |
| 2p | ǿʏti | újsɪ | usɪ | ǿte | ɛ́ɪde, ɛɪde dia. | ɛ:ð |
| 3p | únti |  |  | únte > ón 4 |  |  |
| Infinitive | | ǿʏ | uj | uj | ǿ | ɛ́ɪ | gə—ɛ: |
| Gerund | | únʣa | ʊ́nʣə | ʊ́ʣ:ə | ónza 4 | únja | yɲ |
| Gerundive | | úndo … | ʊnd, ʊ́ndət… | ʊd:, ʊd:ɛt… | óndo … 4 | uns | ynd |
| Potential | | ǿʏmo … | u:m, újmət … | um, újmɛt … | ǿmo … | ɛ́ɪm |  |
| Result | | ɔ́ma | ɔ́mə | ɔmə | uma, óma lex. | owa spor. | əvə |
| Process | | ó: | ó: | o | wa | (e)wo | u: |
| State | | ɔ́ru | ɔ́ʁʊ | ɔʁʊ | uru, óru lex. | uro | yrə |
| Agent | | ― various ― | | | ol, ula, … | or/ura, iʧ/ka… | or/yrə, iʃ/ə |
| Patient | | on, una, … | oln, ólna, … | on |

U-conjugation, past tense with (originally) unstressed thematic vowel

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| past | 1s | uto | Merged with regular | | uto | odo | od |
| 2s | uti: | uti | odi |
| 3s | o(t) | ot | o |
| 1p | utam(i) | utam | odam | əɹə |
| 2p | utas(ti) | utas | odas |
| 3p | utan(t) | utan | odu spor. |

Athematic weak verbs ending in a consonant

Only irregular forms shown; other forms conjugate the same as strong, stressed on stem vowel.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | ów | ó: | ó | ów | ú: | ú: |
| 2s | ɛ́s | ɛ́ | ɛ́ | és | éʃ 4 | é |
| 3s | ɛ́(t) | ét | é |
| 1p | ɛ́mu | ɛ́mʊ | ɛ́mʊ | ém | émo |
| 2p | ɛ́tes | ɛ́sɛs | ɛ́sɛs | étes | édes |
| 3p | ínt | ɪ́nt | ɪ́t: | ént 4 | ént 4 |
| Imper. | 2s | éj | éj | éj | éj | áɪ | ɔ́ɪ |
| 2p | ɛ́ti | ɛ́sɪ | ɛ́sɪ | éte | éde | éð |
| 3p | ínti |  |  | ínti > én 4 |  |  |
| Gerund | | é:nʣa | é:nʣə | éʣ:ə | (j)ánza 5 | (j)énja | jéɲ |
| Gerundive | | é:ndo … | é:nd, é:ndət… | éd:, éd:ɛt… | éndo, jándo 2+3 | (j)éns | jénd |
| Agent | | ― various ― | | | él, éla, … | ér/a, íʧ/ka, … | ér/ə, íʃ/ə |
| Patient | | én, éna, … | áln, álna, … | én |

Suppletive verbs

In Erdahalión languages, the verb *irów* “I go” is also suppletive, with past stem *páto* “I went”.

Only irregular forms shown; other forms conjugate as regular strong athematic.

***Ḗsu***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | é:su | é:sʊ | ɛ́s:ʊ | jásu > jo | jé**r**o | ʒe |
| 2s | e:s | e:s | ɛs: | jas | jeʃ 4 |
| 3s | e:st | e: | e | jast | jest |
| 1p | é:mu | e:mʊ | ɛ́m:ʊ | jam | jémo |
| 2p | é:stes | é:stes | éjtes | jástes | jéstes |
| 3p | e:nt | e:nt | ɛt: | jant | jent |
| Past | | wáto … | wan, wánət … | | wáto … | wádo … | vɑt … |
| Imper. | 2s | ej | ej | ej | ej > je 4 | **j**aɪ 4 | ʒɔɪ |
| 3s | é:sti |  |  | jáste |  |  |
| 1p | é:mi | e:mɪ | ɛ́m:ɪ | jáme | jém |  |
| 2p | ɛ́ti | ɛ́sɪ | ɛ́sɪ | **j**áte 4 | **j**éde 4 | ʒeð |
| 3p | é:nti |  |  | janti |  |  |
| Infinitive | | é:di | é:zɪ | ɛ́zɪ | jade | jez | ʒeɹ |
| Gerund | | é:nʣa | é:nʣə | éʣ:ə | jánza | jénja | ʒeɲ |
| State | | wáru | ɑ́ʁʊ | ɑ́ʁʊ | wáru | wáro | vɑr |

***Erḗwo***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tense | | C. Érdahal | Córderan | Kórdorras | Néteran | Téleran | West Tel |
| Present | 1s | eré:wo | ɛʁéj | ɛʁéj | eréwo 4+7 | eréwo | əré**n** Irreg. |
| 2s | eré:s | ɛʁɛ́ | ɛ́rɛ | erés 4 | eréʃ 4 | əré |
| 3s | eré:(t) | ɛʁɑ́ spor. | ɛʁɑ́ spor. | erét 4 | erét 4 |
| 1p | erɛ́mu | ɛʁɛ́mʊ | ɛ́rɛmʊ | erém | erémo |
| 2p | erɛ́tes | ɛʁɛ́sɛs | ɛ́rɛsɛs | erétes | erétes |
| 3p | erént | ɛʁɛ́nt | ɛ́rɛt: | erént | erént |
| Past | | rásto … | ʁásən, ʁásnət … | | rásto … | rásto … | rɑst … |
| Imper. | 2s | rej | ʁej | ʁej | rej | raɪ | rɔɪ |
| 3s | rɔ́ti |  |  | rote |  |  |
| 1p | rɔ́mi | ʁɔ́mɪ | ʁɔ́mɪ | róme | róm |  |
| 2p | rɛ́ti | ʁɛ́sɪ | ʁɛ́sɪ | réte | réde | reð |
| 3p | rénti |  |  | rente |  |  |
| Infinitive | | rɔ́di | ʁɔ́zɪ | ʁɔ́zɪ | rode | roz | roɹ |
| Gerund | | ré:nʣa | ʁé:nʣə | ʁéʣ:ə | rénza 4 | renja | reɲ |
| Potential | | rɛ́mo … | ʁɛm, ʁɛ́mət… | ʁɛm, ʁɛ́mət… | rémo … | rem |  |

1 Influenced by Mágeran and/or Téleran

2 In stems ending in *w* following a vowel; the final *w* is deleted

3 In stems ending in *t, d* or *s* following a vowel; the final stem consonant is deleted

4 By analogy

5 With yod-dropping and *I-mutation* after clusters

6 In Neteran, the I and U conjugations underwent a lexical separation into *strong* and *weak* verbs (stressed on the *root* vowel or on the *thematic* vowel, respectively), where the *present* tense endings of strong verbs, being no longer stressed, were eroded

7 Initial *e* unchanged to dissimilate from *irów*

Téleran has formed its future tense by suffixing the potential form (“future participle”), which always ends in *m*, with the present forms of *ḗsu*. The results undergo some clipping. E.g. *kóbo* “I buy” vs. *kobénso* “I will buy” (notice the preserved original *s* in the 1st singular).

|  |  |  |  |
| --- | --- | --- | --- |
| Tense | | Téleran | |
| Future | 1s | m + jé**s**o | miso > nso |
| 2s | m + jeʃ | miʃ |
| 3s | m + jest | mi |
| 1p | m + jémo | mimo > m:o |
| 2p | m + jéstes | miste > n**ʦ**e |
| 3p | m + jent | mint |

**Sound reflexes in the Pálmeran branch**

Consonants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Cont. origin | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| p, pj-, kw | p | pʰ | f | f, -ff- | h, -f- |
| t | t | tʰ | s | s, ʦ V,r,l\_ | s |
| tj | ʦ | ʦ | ʦ, s \_C |
| kj | ʧ | ʧ | ʧ, ʃ \_C | ʃ, ʧ V,r,l\_ | ʃ |
| k | k | kʰ | χ | χ, -qχ -, ʃ i,ʉ\_ | h, -k-, -Ø |
| pw, tw | kw | kʰw | kw | χ, χw \_i,e | h, f \_i,ɪ,e, -Ø |
| b, bj-, gw | b | p | p | p | f |
| d | d | t | t | t | t |
| dj | ʣ | ʣ | ʣ, z \_C | z, ʣ V,r,l\_ | z |
| gj | ʤ | ʤ | ʤ, ʒ \_C | ʒ, ʤ V,r,l\_ | ʒ |
| g | g | k | k | k | k |
| -bw-, dw | gw | kw | p, k \_o,u | kw | k, t \_a,ɛ, p \_i,ɪ,e |
| pʰ, pʰj- | f | v | v | b, -w- | b, -v- |
| tʰ, tʰj- | θ | ð | d | d, -ð- | d, -Ø-, -l |
| s, sj-, sw- | s | s | ʃ | s | s |
| kʰj, skj | ʃ | ɕ | j | j | j |
| kʰ | x | ɣ | g-, ʁ | g-, ʁ | g-, Ø |
| pʰw, tʰw, kʰw | xw | xw | ħ | h | Ø |
| mp, -pj-, ŋkw | pp | pˤ | p | pˤ > p | p |
| nt | tt | tˤ | tˤ | tˤ | t’ |
| ntj, -tj- | tʦ | ʦˤ | ʦ | ʦˤ | ʦ’ |
| ŋkj | tʧ | ʧ | ʧ, ʃ \_C | ʧ | ʧ(’) |
| ŋk | kk | kˤ | q~ʔ | kˤ | k’ |
| mb, ŋgw, -bj- | bb | b | b | b | b |
| nd | dd | d | d | d | d |
| ndj, -dj- | dʣ | ʣ | ʣ, z \_C | z, ʣ V,r,l\_ | z |
| ŋgj | dʤ | ʤ | ʤ, ʒ \_C | ʒ, ʤ V,r,l\_ | ʒ |
| ŋg | gg | g | g | g | g |
| mpʰ, -pʰj- | ff | f | f | f | h, -f- |
| ntʰ, -tʰj- | θθ | θ | s | θ | Ø |
| ns, -sj-, -sw- | ss | sˤ | sˤ | ʦ’ |
| nkʰj, nskj | ʃʃ | ɕɕ | ʃ | ʃ | ʃ |
| nkʰ | xx | kʰ | χ | χ, -qχ -, ʃ i,ʉ\_ | h, -k-, -Ø |
| sp, skw | sp | sp | ʃp | pˤ > p | p |
| st | st | st | ʃt | tˤ | t’ |
| sk | sk | sk | ʃk | kˤ | k’ |
| m, mm, sm, nm | m | m | m | m 1 | m |
| n, nn, sn, mn | n | n | n, Ø \_j,w | n 1 | n |
| r, nr, sr, rr | r | r | r | r, ʎ prev. r (1 | r |
| l, ll, sl, nl | l | l | l | ʎ, ɫ lex., -r 1 | l, ɬ lex. |
| j, hj, -gj- V.unstr | j | j, Ø V\_i,e | j, Ø V\_i,e | j, Ø V\_i,e | j, Ø V\_ɪ,ɛ |
| w, hw, bw- | w | w, Ø V\_ a,o,u | w, Ø V\_ a,o,u | w, Ø V\_ a,o,u,ʉ | v, Ø C\_; V\_ a,ɔ,ʊ |

Vowels

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Cont. origin | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| əR | úR | úR | úR | úRo, oRo | ɔR |
| ɑ | ɑ | ɑ | ɑ | ɑ, ʌ/Ø 2 | a, ɑ \_m,n |
| ʊ cl. un, ɑw cl. | o |
| i, əi cl. un, ǝ lex. | i, ə op.un | i, Ø op.un | i, Ø op.un | i, Ø op.un | ɪ, ɛ \_m,n, Ø op.un |
| u, əu cl. un, ǝ lex. | u, ə op.un | u, Ø op.un | u, Ø op.un | ʉ, Ø op.un | ʊ, ɔ \_r,l,ɬ,  œ \_m,n, Ø op.un |
| ǝ́, ɪ cl. un | e | e | e | e, ʌ/Ø 2 | ɛ, a \_r,l,ɬ, ɑ \_m,n |
| ǝ́j, ɑj, ǝhǝ | e: |
| ɑ:, ɑhɑ | ɑ: | o | o | u, o \_r,ɫ,ʎ | ɔ |
| ǝ́w, ɑw op. | o: |
| i: | i: | i | i | i | ɪ, ɛ \_m,n |
| u: | u: | u | u | ʉ | ʊ, ɔ \_r,l,ɬ, œ \_m,n |
| from lost  j / w / h  between  vowels | | ɑ.e | ɑ.e | e: | e |
| ɑ.i | ɑ.i | ɑj |
| ɑ.o | ɑ.o | o: | o |
| ɑ.u | ɑ.u | ɑw |
| e.ɑ | e.ɑ | e: | e |
| e.i | e.i | ej | i |
| e.o | e.o | u |
| e.u | e.u | ew |
| o.ɑ | o.ɑ | o: | o |
| o.e | o.e | oj | i |
| o.i | o.i |
| o.u | o.u | ow | u |
| i.V3 | i.V3 | jV3 | jV3 |
| u.V3 | u.V3 | wV3 | vV3 |

1 Sonorants *m, n, r* and *l* cannot appear next to each other (e.g. *\*rm, \*ln, \*rl*) in Páramalts, and thus are separated by an epenthetic vowel, usually echoing the previous vowel.

2 Reduced to *ʌ* two syllables (and more) away from stress, and to zero (Ø) if that syllable is also a two-sided open one

3 V represents any vowel

Vowel harmony

In Pálmeras, based on vowel *backness*:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *stressed or pre-tonic* | ɑ | e | i | o | u |
| *after* **e** *or* **i** *in the stressed syllable* | e | e | i | ø | i |
| *after* **a, o** *or* **u** *in the stressed syllable* | ɑ | ɑ | u | o | u |

In Páramalts, based on vowel *roundness*:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *stressed or pre-tonic* | ɑ | e | i | o | u | ʉ |
| *after* **a, e** *or* **i** *in the stressed syllable* | ɑ | e | i | ɑ | e | i |
| *after* **o, u** *or* **y** *in the stressed syllable* | o | u | ʉ | o | u | ʉ |

**Reflexes of nominal and adjectival endings in the Pálmeran branch**

A-declension, main paradigm

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sg. Masc | n / o | Ø | Ø | Ø | Ø | Ø |
| acc | o | ɑ | ɑ | ɔ 1 |
| gen | ɑ[d] | ɑ, ɑt ͜ V | ɑ, ɑt ͜ V |
| voc | e | e~Ø | e |  |  |
| Sg. Fem. | nom | ɑ | ɑ | ɑ | ɑ | a |
| acc | e | e | e | ɪ spor. |
| gen | ɑ[d] | e, et ͜ V | e, et ͜ V |
| obl | Ø |  |  |  |  |
| voc | e | e~Ø | Ø 2 |  |  |
| Pl.M | n/a/g | es | es | eʃ | eθ 3 | ɛ |
| obl | ɑ |  |  |  |  |
| Pl. F | n / a | e | e**x** 2 | eχ | eχ | ɛ |
| gen | es | es | es |
| obl | ɑ |  |  |  |  |

A-declension, -IA paradigm

Result is almost the same as main paradigm, due to *j-*coalescense. Only difference is in the singular masculine nominative ending being *-i* instead of zero.

I-declension

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sing. | n / a | Ø | Ø | Ø | Ø | Ø |
| gen | i[d] | i, it ͜ V | i, it ͜ V |
| obl | jə > i |  |  |  |  |
| Plural | nom | is | is | iʃ | iθ 3 | ɪ |
| acc | wes | wes | weθ 3 | ɛ |
| gen | es | es | es |
| obl | ɑ |  |  |  |  |

U-declension, main paradigm

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sing. | nom | Ø | Ø | Ø | Ø | Ø |
| acc | wɑ | wɑ | wɑ | wɑ > ɔ |
| gen | u[d] | u, ut ͜ V | u, ut ͜ V |
| obl | u |  |  |  |  |
| Plur. | n / a | us | us | uʃ | uθ 3 | ʊ |
| gen | wes | wes | wes |
| obl | o |  |  |  |  |

U-declension, -IU main paradigm

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sing. | nom | i | i | i | i | Ø |
| acc | iwɑ | i.ɑ | jɑ | ja |
| gen | ju[d] | u, ut ͜ V | u, ut ͜ V |
| obl | ju |  |  |  |  |
| Plur. | n / a | jus | us | uʃ | uθ 3 | ʊ |
| gen | jos | os | os |
| obl | jo |  |  |  |  |

Consonant declension

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sing. | nom | Ø | Ø | Ø | Ø | Ø |
| acc | ɑ | ɑ | ɑ | ɔ 1 |
| gen | u[d]~i[d] | i~u, it~ut ͜ V | u, ut ͜ V |
| obl | u |  |  |  |  |
| Plur. | nom | us ~ is | us ~ is | iʃ | uθ 3 | ʊ |
| a / g | es | es | oθ 3 |
| obl | ɑ |  |  |  |  |

A/I-declension adjectives

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sg. Masc | nom | e | e | Ø | e | ɛ |
| acc | wo | wo | wo | ɔ |
| gen | is | is | is |
| obl | u |  |  |  |  |
| Sg. Fem. | nom | ɑ | ɑ | ɑ | ɑ | a |
| acc | (j)e | e | e | ɪ spor. |
| gen | ɑs | ɑs | ɑs |
| obl | ə > Ø |  |  |  |  |
| Plural | nom | i | i | i | i | ɪ |
| acc | ed | e | e | ɛ |
| gen | is | is | is |
| obl | ɑ |  |  |  |  |

Consonant declension adjectives

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Singular | nom | Ø | Ø | Ø | Ø | Ø |
| acc | ɑ | ɑ | ɑ | a |
| gen | es | es | es |
| obl | u |  |  |  |  |
| Plural | nom | is ~ us | is ~ us | iʃ | uθ 3 | ʊ |
| acc | es | es | eθ 3 | ɛ |
| gen | is, s \_VC | is, s \_VC | is, s \_VC |
| obl | ɑ |  |  |  |  |

Personal pronouns, first person

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Singular | nom | ni | ni | ni | ni | nɪ |
| acc | nowɑ́ | no.ɑ́ | no: | no |
| gen | nis | nis | nis |
| obl | nu |  |  |  |  |
| Plural | nom | men | men | men | men | mɑn |
| acc | méje | mé.e | me: | me |
| gen | més | mes | mes |
| obl | men |  |  |  |  |

Personal pronouns, second person

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Singular | nom | pi | pʰi | fi | fi | hɪ |
| acc | pɑ | pʰɑ | fɑ | hɑ |
| gen | pis | pʰis | fis |
| obl | pej |  |  |  |  |
| Plural | nom | pen | pʰen | fen | fen | hɑn |
| acc | pes | pʰes | fes | hɛs |
| gen | pos | pʰos | fos |
| obl | pon |  |  |  |  |

Personal pronouns, third person (based on demonstratives by analogy)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| Sg. Masc | nom | te | tʰe | se | se | sɛ |
| acc | two | tʰwo | swo | sɔ |
| gen | tis | tʰis | sis |
| obl | tu |  |  |  |  |
| Sg. Fem. | nom | tɑ | tʰɑ | sɑ | sɑ | sa |
| acc | tje | ʦe | se | sɛ |
| gen | tɑs | tʰɑs | sɑs |
| obl | ti |  |  |  |  |
| Plural | nom | tis ~ tus | tʰis ~ tʰus | siʃ | sus | sʊ |
| acc | ted | tʰe | seχ 2 | se |
| gen | tis | tʰis | siχ 2 |
| obl | tɑ |  |  |  |  |

1 By analogy to U-declension

2 Syntactic dissimilation

3 Sporadic change *s* > *θ* in nominative and accusative endings

Reflexivity isn’t denoted by a promoun is Pálmeran languages. Instead, the verb stem is suffixed by *–sa* and declined accordingly.

**Reflexes of verbal endings in the Pálmeran branch**

Athematic (consonant) conjugation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tense | | E.C. Pálmeran | L.C. Pálmeran 1 | Pálmeras 1 | Páramalts 1 | Fálhamz |
| Present / fut. | 1s | ə | n/t—Ø | n/t—Ø |  |  |
| 2s | es | i/t—es | i/t—eʃ |  |  |
| 3s | et | e/t—etʰ | e/t—Ø |  |  |
| 1p | wi | n/t—u | n/t—u |  |  |
| 2p | it | i/t—itʰ | i/t—i |  |  |
| 3p | ɑt: | i/t—ɑtˤ | i/t—ɑtˤ |  |  |
| Past | 1s | ɑ 2 | ɑ 2 | ɑ |  |  |
| 2s | i 2 | i 2 | i |  |  |
| 3s | Ø 2 | Ø 2 | Ø |  |  |
| 1p | u 2 | u 2 | u |  |  |
| 2p | id~ud 2 | it~ut 2 | it |  |  |
| 3p | ɑt: 2 | ɑtˤ 2 | ɑtˤ |  |  |
| Sg. imper | | Ø | Ø | Ø |  |  |
| Pl. imper | | it | itʰ | is |  |  |
| Infinitive | | id~ud | it~ut | li—it |  |  |
| Gerund | | ɑʤ:ɑ | (ɑ)ʤɑ | ʒɑ, ɑʤɑ |  |  |
| Gerundive | | ɑg:e, ɑg:ɑ … | ɑg:e, ɑg:ɑ … | ɑge, ɑgɑ … |  |  |
| Potential | | ime, imɑ … | ime, imɑ … |  |  |  |
| Result | | (i~u)mɑ | (i~u)mɑ |  |  |  |
| Process | | (i~u)bɑ | (i~u)pɑ |  |  |  |
| State | | ir~ur | ir~ur |  |  |  |

Weak athematic verbs were regularized by the time of Late Common Pálmeran, by moving their stress back to the stem, with systematic extensions *j* > *éj* and *w* > *íw* of the last radical. In the case of verbs with no stem vowel, such as (Áltheran) *stów* “I stay”, an epenthetic *i* or *u* were added (sporadically distributed), creating e.g. L. C. Pálmeran *nṣitʰ* “I stay; I sit”.

########################

1 Left set of prefixes forms the *present* tense, right set forms the *future* tense

2 Athematic past tense is formed with an ***n-****infix*; later lost, geminating the last stem consonant, and still later producing a consonant alternation in daughter languages

**Sound reflexes in the Séracal branch**

Consonants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C. Cont. origin | Proto Mag-Ser. | Séracal | Ampelarcál † | Anijerái |
| p | p | p, -w | p | p |
| pj | pj ~ pç | pj | tʂ | pj |
| pw | pw | pw | kʷ | kw, k \_e,i,j |
| t | t | t, Ø 1 | t, ʈ r,l\_ | t, θ 2 |
| tj | c | ʨ | tʂ | ʦ(j) |
| tw | tw | tw | kʷ | tw |
| k | k | k, -j | k, ʂ \_e,i,j | k, ʧ \_e,i,j |
| kj | ʨ ~ ʦ | s | ʂ | s |
| kw | kw | kʷ | kʷ | kw, k \_e,i,j |
| b | b | b, -w | b | b-, v |
| #w-, b 3, -bw- | β | β̞ | β | v |
| bj | bj ~ bʝ | bj | dʐ | bj, -vj- |
| d | d | d, β̞\_r,l, -l-, Ø1 | d, b\_r,l, ɖ r,l\_ | d-, l, ð 2 |
| d 3 | ð | z, ʐ r,l\_ | z ~ ɾ 5 |
| dj | ɟ | ʥ | dʐ | z(j) |
| dw | dw | dw | β | dw |
| g | g | g, -j | g, ʐ \_e,i,j | g-, ɣ, ʤ \_e,i,j |
| g 3+4 | ɣ | ɰ, g n,ɾ,ʎ\_ | w |
| gj | ʥ ~ ʣ | ʝ | ʐ | j |
| #j- | ʑ |
| gw | gw | gʷ, -w- | β | b-, v, g \_e,i,j |
| pʰ | ɸ | #h-, f, -ɕ | ɸ | h-, f |
| pʰj | ɸj | fj | ɬ | ç |
| tʰ | θ | s, f \_r, -t, Ø1 | s, ɸ \_r | s, -ʦ- |
| tʰj | θj | sj | ɬ | l |
| tʰw | θw | sw | ʍ ~ ɧ | f |
| kʰ | x | #h, x, -ɕ | χ |
| kʰj, sj, skj, -h | ɕ | ɕ | ɬ | l |
| pʰw, kʰw | xw | ʍ ~ f | ʍ ~ ɧ | h, -w- |
| s | s, -ɾ- | h, -ɾ-, ɾ V+str\_ | s, -ɽ-, ɽ V+str\_, ʂ r,l\_; \_# | s, -ɾ-, ɾ V+str\_ |
| sw | sw | ʍ ~ f | ʍ ~ ɧ | f |
| h | h | Ø | Ø | Ø |
| hj, j | j | #Ø, j, -ʝ- | j | #Ø, j |
| hw, w | w | w | w | #Ø, w, -v- |
| sp | sp ~ ʰp | f | ɸ | h-, f |
| st | st ~ ʰt | s, -ss- | s, -ss- | s |
| sk | sk ~ ʰk | #h, x, -ɕ | χ | h |
| skw | skw ~ ʰkw | ʍ ~ f | ʍ ~ ɧ | f |
| m | m, -ŋ~n | m, -ŋ~n | m, -ŋ | m, -n |
| n | n | n | n, ɳ r,l\_ | n |
| r | r | ɾ | ɽ | ɾ |
| l | l | l, -ʎ |

Vowels

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C. Cont. origin | Proto Mag-Ser. | Séracal | Ampelarcál † | Anijerái |
| ɑ, (ə, ɪ cl. un) \_R | a | ɑ | æ, ɐ~ʌ cl. | a |
| ɑ: | a: |
| ǝ, ɪ cl. un,  i# un., əi cl. un# | e | e | e | e |
| ǝ́j | e: | e 6 | je |
| ǝ́j \_V/# | ej | e 7 | eɪ |
| i, əi cl. un | i | i | i | i |
| ʊ cl. un, u# un., əu cl. un# | o | o, (ú, ɑ) op+o | o | o |
| ǝ́w | o: | o 6, (ú, ɑ) op+o | wo |
| ǝ́w \_V/# | ow | o 7 | aʊ |
| u, əu cl. un | u | u | u | u |
| i: | əj | i, e# un. | i 7 | eɪ |
| u: | əw | u, o# un. | u 7 | oʊ |
| ɑj | aj | e ~ ɑj | æ, ɐ~ʌ cl. (7, æj# | aɪ |
| ɑw | aw ~ o | o ~ ɑw | æ, ɐ~ʌ cl. (7, ɔ̞w# | aʊ |

† Extinct by the 1st century er

1 Before obstruents or word-finally; geminates the following consonant

2 Before *r* or *l*; word finally; and between a vowel and an unstressed vowel

3 Between a vowel and: an unstressed vowel; or a sonorant (*r, l, m, n*) followed by an unstressed vowel

4 In a group of common roots

5 *z* more prevalent in male speech

6 With *compensatory lengthening* of the following consonant in open stressed syllables

7 *j* or *w* is ejected to the next syllable (e.g. *\*stájra* “moon” > Ser. *séra* vs. Amp. *sárja*)

**Ampelarcál noun endings**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case \ Decl. | | A m. | A f. | IA m. | IA f. | I | IS | U | IU | Ø |
| Sing. | subj | ʌʂ | æ | jʌʂ | jæ | e | iʂ | o | jo | Ø |
| obj | o | e | jo | je | o | i | wæ | iwæ | æ |
| gen | æd | æj | jæd | jæj > jɪ | id | ud | jud |
| Plur. | subj | ǽj | ʌ́ŋ | jʌ́ɽ | jʌ́ŋ | íɽ | jʌ́ɽ | úɽ | júɽ | ʌ́ɽ |
| obj | i | eɽ | jeɽ | jeɽ | weɽ | eʂ |
| gen | éɽi | æŋe | jéɽi | jæŋe | éɽi | éɽi | wéɽi | jóɽ(w)i | æɽe |

**Vowel blending in Mágeran**

Caused by elision of intervocalic *j, w* and *h*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | -a | -e | -i, -iə un. | -o | -u, -uə un. | íə | úə | aj | oj |
| a- | a | æ | aj | a | | íə | úə | aj | oj |
| e- | æ | e | ej | ɘ | | ýə | ej | |
| i- | iə | | i, iə | y | | iə | |
| o- | o | oj | | o | | ýə | úə | oj | |
| u- | u | y | | uə | u, uə | oj | y |
| iə- | iə | | | | | iə | | | |
| uə- | uə | | | | | uə | | | |
| aj- | aʝa | aʝe | | aʝo | aʝu | íə | ýə | aʝa | aʝo |
| oj- | oʝa | oʝe | | oʝo | oʝu | ýə | oʝa | oʝo |

**A (more or less) unified Romanization system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Spelling | Pronunciation |  | Spelling | Pronunciation |
| a | a, ɑ, ʌ, æ, ɐ, *Cor., Kor., Gree.* ə |  | ll | *Tel., Cor., Par.*  ɫ |
| aa | a:, ɑ: |  | ly | *Net., Cor., Kor.*  ʎ |
| ae | *Tel., W-T*  ɛ:, *C.Erd*  ɛ,  *Mag.* æ  *Pal.*  ɑ.e, *Par., Ger’.* e:,  *Falh.* e |  | m | m |
|  | n | n |
| ah | *Sedh.* ɑ:, *Net. (rarely), Cor.*  a# |  | ng | ŋg, *W-T, Ger’.* ŋ, *Sedh.* ɴ |
| ai, ay 1 | aj, ɑj, æj, əj, aɪ, *Pal.*  ɑ.i |  | nj | *Mag.,* *Gher.*  ɲ |
| ao | *Tel.*  ɔ:, *C.Erd*  ɔ,  *Mag.* æ  *Pal.*  ɑ.o, *Par., Ger’.* o:,  *Falh.* o |  | nn | *Ser., Amp.* ŋ |
|  | ny | *Net., Cor., Kor.*  ɲ |
| au | aw, ɑw, əw, aʊ, *W-T*  ɔ:, *Pal.*  ɑ.u |  | o | o, ɔ |
| b | b, *Ser.* β̞ V\_V.un |  | oa | ɔ:, *Cor., Kor.*  o:, *Pal.*  o.ɑ |
| c | k, *Net.* ʧ \_e,i, *Mag.* ç \_e,i,y, *Fysk* ɕ |  | oe | ø, œ(:), *Pal.*  o.e |
| ç | *Mag.* ç |  | oi, oy 1 | oj, ɔɪ, øʏ, *W-T*  wɑɪ k,g,h\_, *Pal.*  o.i |
| č | *Tel., Cor/Kor., Palmeran* ʧ |  | oo | o: |
| ch | x, χ, ç \_i,j *W-T* ʃ |  | ou | ow, *Tel., W-T, Cor., Kor., Sedh.*  u:,  *Pal.*  o.u,  *Par., Falh., Gher.* u |
| d | d |  |
| dh | ð |  | p | p |
| dj | ʤ, ʥ, dʐ, ɟ |  | ph | pʰ, *Mag., Cor., Kor.* f |
| dy | *Ser., Alth.* ɟ~ʥ |  | q | *Pal.*  q~ʔ,  *Par.* kˤ |
| dz | ʣ |  | qu- | kw, kʷ, kʋ,  *Mag., Anij.* k \_e,i |
| e | e, ɛ, *C.Cont., W-T* ə, *Gree.* ɝ \_r |  | r | r, ɾ, ɽ, ɹ, ɻ, ʁ, *Ger.* -ə |
| è | *C.Cont., W-T* e |  | r’ | *Ger’.* ʁ, -ɐ, *Sedh.*  ʀ |
| ea | ɛ:, e:, *C.Erd.* æ:ɑ, *Net.* eja, *Pal.* e.ɑ |  | rd, rn, rt, rs | *Amp., Sedh.*  ɖ, ɳ, ʂ, ʈ *respectively* |
| ee | e: |  | rh | ʁ, *W-T.*  ɹ, *Cor.*  ʕ |
| ei, ey 1 | ej, eɪ, ɛɪ, *C.Cont* əj, *Pal.* e.i, *Sedh.* i: |  | rj | *Mag.*  ʝ, *Gher.*  ʐ |
| eo | e:o, ejo, *Pal.*  e.o |  | rr | r(:) |
| eu | ew, *C.Cont*  əw, *Mag.*  ɘ, *Pal.*  e.u |  | ry | *Net.*  ɾʲ |
| f | f, ɸ |  | rz | *Amp., Sedh.*  ʐ, *Gher.* ʑ |
| g | g, *Net.* ʤ \_e,i, *Ser.*  ɰ V\_V.un,  *Sedh*. ɢ, ʁ̝~ ʕ, *Fysk* g-, ɣ~ɦ, ɟ \_e,ey,y |  | s | s, *Net., W-T*  z V,l,n\_V |
|  | sh | ʃ, ʂ, *L.C. Palm.* ɕ |
| gh | ɣ, ɦ, *Net.* g |  | ss | s(:), *Par.* sˤ |
| gn | *Mag.* ŋn |  | t | t |
| gu- | gw, gʷ, gʋ |  | th | θ, *C.Cont.* tʰ |
| h | h, x, -ç, ħ, ɦ, ʔ, Ø |  | tj | ʨ, tʂ |
| hu- | xw, ʍ |  | ts | ʦ |
| hy | ç, ɕ |  | ty | *Ser., Alth.* c~ʨ |
| i | i, ɪ, j- |  | u | u, ʊ, *W-T* y, *Par., Gher.* ʉ |
| ï | i V.\_ |  | ü | u V.\_, *Par.* -w *(in* oü*)* |
| ie | *C.Cont., C.Erd., Mag.* iə, *Pal.* i.e |  | ui, uy 1 | *C.Erd., Cor., Kor.* uj, *Pal.* u.i |
| iu | i:ʊ, *Pal.*  i.u |  | uo | *C.Cont., C.Erd., Mag.* uə, *Pal.* u.o |
| j | ʒ, ʝ, ʑ, ʐ, *Tel., Pal.*  ʤ, *Anij.*  j |  | v | v, ʋ, β |
| k | k, *Sedh.*  q, *Fysk* c \_e,ey,y |  | w | w |
| k’, p’, t’, ts’ | *Palmeran* kˤ~k’, pˤ, tˤ~t’, ʦˤ~ʦ’ |  | wh | ʍ, ɧ |
| kh | kʰ, kx, qχ |  | x | ks |
| l | l, ʎ, ɫ |  | y | j, i: \_C;C\_#, *Net., Mag., Fysk*  y \_C;C\_# |
| lh | ɬ |  | ye | *Mag.* yə |
| lj | *Mag.*  ʝ ~ ʎ, *Gher.*  ʎ |  | z | z |

1 In Néteran, Téleran, Córderan and Kórdorras: word-finally or before {*r, l, m, n, h*} + vowel.

In Ánderan and Mágeran: only word-finally

**Sound correspondences in Insular languages**

**Proto-Insular phonology (c. 2500 ber)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Consonants | | | | | Vowels | | | |
|  | labial | coronal | dorsal | uvular |  |  | front | back |
| stop | p b | t d | k g | q ɢ |  | high | i | u |
| fricative |  | s z |  |  |  | mid | e | o |
| nasal | m | n | -ŋ |  |  | low | a~ɑ | |
| sonorant | w | r~ɹ l | j |  |  |  |  |  |

Roots were either monosyllabic CVC or disyllabic CV(C)CVC. Suffixes were mostly mono-syllabic (C)VC with some disyllabic VCVC.

Stress was fixed on the ultimate syllable, or the penultimate if it was heavy (i.e. has a coda –V: or –VC). This is largely the case in Gér’deran and Sédheran.

Below is a table of medial consonant blendings:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | -p | -b | -t | -d | -k | -g | -q | -gh | -s | -z | -m | -n | -r | -l | -y | -w |
| p- | pp | bb | pt | wd | pk | wg | qq | ɢɢ | ps | wz | pm | pn | pr | pl | pj | pw |
| b- | wm | wn | br | bl | bj | bw |
| t- | pt | :b 1 | tt | :d 1 | kt | :g 1 | qt | :ɢ 1 | ʦ | ʣ | tm | tn | tr | kl | tj | tw |
| d- | :m 1 | :n 1 | dr | :l 1 | dj | dw |
| k- | kp | jb | kt | jd | kk | qq | jɢ | ks | jz | km | kn | kr | kl | kj | kw |
| g- | jm | jn | gr | gl | gj | gw |
| q- | qp | ɢb | qt | ɢd | qk | ɢg | qq | ɢɢ | qs | ɢz | qm | qn | qr | ql | qj | qw |
| gh- | ɢm | ɢn | ɢr | ɢl | ɢj | ɢw |
| s- | sp | zb | st | zd | sk | zg | sq | zɢ | ss | zz | sm | sn | str | sl | sj | sw |
| z- | zm | zn | zdr | zl | zj | zw |
| m- | mp | mb | mpt | mbd | ŋk | ŋg | ɴq | ɴɢ | mps | mbz | mm | mn | mbr | mbr | mj | mw |
| n- | nt | nd | nts | ndz | nm | nn | ndr | ŋl | nj | ŋw |
| ng- | ŋkt | ŋgd | ŋm | ŋn | ŋgr |
| r- | rp | rb | rt | rd | rk | rg | rq | rɢ | rs | rz | rm | rn | rr | rl | rj | rw |
| l- | lp | lb | lt | ld | lk | lg | lq | lɢ | ls | lz | lm | ln | lgr | ll | lj | lw |
| y- | jp | jb | jt | jd | jk | jg | jq | jɢ | js | jz | jm | jn | jr | jl | jj | jw |
| w- | wp | wb | wt | wd | wk | wg | wq | wɢ | ws | wz | wm | wn | wr | wl | :w 1 |

1 Lengthening the previous vowel

Some diphthongs arising from combinations of vowel + {*j,* *w*} were simplified:

*ij* > *i:*

*oj, uj* > *oj*

*ew, iw* > *ew*

*ow* > *o:* or *aw* (lexical)

*uw* > *u:*

**Sound reflexes in daughter branches of Common Insular**

Consonants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Insular | Ger’deran | Sédheran | Ghérderon | Tryal Fysk | Erdahál Fysk |
| p | f | p 1, f | p | f, -v- | f |
| t | t | t, ʈ ɻ\_, ɾ V.str\_V | t | t, -d- | t |
| k | k | q | ʨ | k, -g-, (c, -ɟ-) \_y,j | k |
| q | #qχ, χ | χ | k | Ø | h, -Ø |
| b | b, -p | b | b, -m# | v, -f# | b |
| d | d, -t spor. | d, ɖ ɻ\_, ɾ V.str\_V | d, -n# | t, -d- | d |
| g | g, -k spor. | ɢ- 1, ʁ̝~ʕ | ʥ, -j | k, -g-, (c, -ɟ-) \_y,j | g, -ɣ~ɦ- |
| ɢ | #g, ʁ, -ɐ̯ | #Ø, ʀ | g~ɣ, -Ø# | Ø | Ø |
| jt, jk | ʧ | tʂ | tʂ | Regular | |
| jd, jg | ʤ | dʐ | dʐ |
| s | s, ʦ 2, -ʃ | s, ʂ ɻ\_ | s, x ʉ,i\_, ɕ \_i,j | ç, -ʝ- | ç, -j |
| z | z, ʣ 2, s# | z, ʐ ɻ\_ | z, ʑ \_i,j | s, -z- | s, -ɾ |
| js | ʃ | ʂ | ʂ | Regular | |
| jz | ʒ, ʃ# | ʐ | ʐ |
| m | m | n | m | m, -n | m, -n |
| n | n | n, ɳ ɻ\_ | n, ɲ \_i,j; i\_# | n | n |
| -ŋ | ŋ | ɴ |
| r | ɹ, -ə̯, -Ø 3 | ɻ, -Ø 3 | r~ɹ, ʑ \_i,j, ɕ i\_# | ɾ ~ r | ɾ~ ɹ ~ ʁ ~ r |
| l | l, -ɫ ɑ:,o,u\_ | l, -w | l, ʎ \_i,j; i\_# | l ~ ʎ | l ~ ɫ ~ ɽ |
| w | ʋ, -w | ʋ, -w | v, -f 3 | v, -w, -f 4 | ʋ |
| j | ʒ, ʤ 2, -j | ʐ, -j | j | ʝ, -j | ʝ, -j |

Vowels

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Insular | Ger’deran | Sédheran | Gh’erderon | Tryal Fysk | Erdahál Fysk |
| a | ɐ́, ə, Ø# un. | ǽ, ɐ~ə | a | a | a, Ø# un. |
| e | é, ə, Ø# un. | ɛ | e | ɛ | ɛ, Ø# un. |
| i | ɪ, e 5 | ɪ | i | ɔ | ɔ, Ø# un. |
| o | ó, ə, Ø# un. | ɔ́, ɐ~ə | o | y | y, Ø# un. |
| u | ʊ, o 5 | ʌ | ʉ |
| a: | ɑ: | ɑ: | a | a | a:, a# un. |
| e: | ɛɪ | i: | i | ɛ | ɛ:, ɛ# un. |
| i: | iə | æɪ | ej | ɔ | ɔ:, ɔ# un. |
| o: | ɔʊ | u: | ow > u | y | y:, y# un. |
| u: | uə | ɑʊ |
| aj | ɐɪ | eɪ | aj | ae̯ | ɛ:, ɛ# un. |
| ej | ɛɪ | ej | e: | i:, i# un. |
| oj | øʏ | ój, u | ɔe̯ |
| aw | ɑ: | ɔ: | o | ao̯ | u:, u# un. |
| ew | oɪ | øʏ | év, ej | ɛo̯ |

1 Word-initially and after nasals

2 Word-initially before a vowel, and after liquids and nasals

3 Word-finally when unstressed after *a, o* or *u*, with compensatory lengthening

4 Before voiceless consonants and word-finally

5 In closed syllables before *χ* or *ʁ* (sometimes also *k* or *g*); word-finally

**A concise Ger’deran grammar**

Noun Classes

These have a similar role to gender in other languages. Each noun class has a plain suffix, a short form used in the 1st element of a compound, and two adjectival suffixes: *attributive* (similar to genitive/possessive, conveying the meaning of origin i.e. *of / from* X) and *nisbah* (pertaining to the noun in more complex ways such as being *made of* X, being *like* X or possessing the quality of X — similar to *-ly­* in English).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Class | Type(s) of nouns | suffix 1 | compound | attributive | nisbah |
| I | People (untitled); sapient beings; some proper names; most basic adjectives | -Ø | Ø | ɪn | óɪ |
| II | Plurals for class I | -ɪl | ɪ, ʒ \_V | ʒɐl | óɫ |
| III | People (titled); agent nouns | -ɑ: | ɐ | en | ɐ́ne |
| IV | Plurals for class III | -ɛɪɹ | e, eɹ \_V | eɹɐn | eɹóɪ |
| V | Spiritual beings (animals, plants, totems) | -ɪχ | ɪχ | ɪχe | ɪ́χle |
| VI | Plurals for class V | -ɔʊ | o, oʋ \_V | (o)ʋɐn | ɔ́ʊte |
| VII | Forces of nature (e.g. wind, snow, mountain, forest, …) — roughly anything the Greeks would have a "god" for) | -eʃ | eʃ | esɪ | esɐ́r |
| VIII | Foodstuff; patient nouns; result nouns | -ʊm | ʊ, ʋ \_V | uə | óʋe |
| IX | Useless animals (insects etc.);  poisonous plants; rocks and other crude materials; pejoratives | -ok, -ʊk 2 | ok, ʊk 2 | okɐl, ʊkɐl 2 | óχo, ʊ́χo 2 |
| X | Plurals for class IX | -oʦ | oʦ | oʦɐl | óʦo |
| XI | Tools and weapons; rarely also locations | -ɐd | (ɐ)d | ɐtɐɹ, ɐlɐɹ 2 | ɐ́l:e |
| XII | Parts of things (body parts, branches...) | -em | (e)m | emɛɪ | éʋe |
| XIII | Emotions; concepts | -ʋɛɪ | ʋe | ʋɛn | -ʋéle |
| XIV | Actions and abstracts | -ɐg | (ɐ)g | ɐʒoɹ | ɐʁóɪ, ɐ́ɪ 2 |
| XV | Locations (especially man-made); Collections of things; Places for things | -ɐn | (ɐ)n | ɐl | ɐ́ŋe |

1 When the stem ends in a vowel, an epenthetic *-t-* is added (e.g. *gér’daa* + *an* > *gér’daa****t****an*)

2 Lexical

Additional suffixes include:

* -mo, -el Diminutives; may be used with any noun of classes I to XII
* -vɔʊɹ Names of lands; borrowed from Fálhamz
* -ʤɪn Demonyms; roughly equivalent to *–man* in E.g. *Englishman*

The *definite article* is marked by adding the particle *ie* (read *iə*) before the noun or adjective.

Adjectives generally precede the noun, unless the focus of the sentence is on the adjective.

Verbs

Verb conjugation in Ger’deran is very simple, with verbs inflecting only for tense / aspect. Person and number are conveyed using pronouns, of which there are 5 personal (1st person singular ʋɐ́ɹə; 1st plural exclusive ʣo and inclusive kle; 2nd singular ɪŋɐ́ and plural tɔ́ʊmʊ), and 15 demonstrative (which double as interrogative), each for every noun class, formed *k +* the appropriate suffix. Reflexive pronouns are similarly formed by *b* + appropriate noun class suffix.

* -e Present tense
* -zɐ Past tense
* -ɹo Future tense, intentional (as in English *will* or *going to*)
* -ebɐ Present or future, habitual aspect
* -uə Optative aspect (hopes, wishes)
* -ɪt Subjunctive aspect (conditions, lost case)
* -oʃ Imperative mood
* -de Infinitive; gerund

Other tenses, aspects, voices etc. such as *habitual past* or the *passive* voice are periphrastic.

Ger’deran is a VSO language: nouns and pronouns come *after* verbs.

Comparison to Fysk

Fysk has stopped distinguishing grammatical number, thus noun classes II, IV, VI and X have vanished. Additionally, regular phonological processes have made classes V, VIII, XII and XIV obsolete and morphological leveling has done away with classes XI and XIII, leaving the language with a system of 5 noun classes, ending in *-Ø*, *-a, -eç~ey, -ok~og* and *-an*.

When the stem ends in a vowel, Erdahál Fysk inserts an epenthetic *-h-*, e.g. *érda* + *al* > *érda****h****al* — whence Common Erdahalión *Érdahal* came (also a cognate, in the attributive form, to Gér’deran *gér’daatan*); but Tryál Fysk leaves a hiatus instead, e.g. *try + án + na > tryánna*.

The definite article is formed by suffixing *-a* to the noun (or adjective used as noun). A preceding single consonant is geminated, e.g. *radybán****na*** or *kanád****da*** vs. regular *fýsk****a*** when ending in a cluster. If the noun already ends in *a*, the suffix becomes *-ja*, thus *tólsa* > *tólsa****ja***.

**The Légi Férri writing system**

The Légi Férri (“Iron Letters”) is one of four main writing systems in the world of Rashpén, along with Halcánna, Sólnemm and the Kanádda runes. It is by far the most popular, being initially developed for writing Common Erdahalión, but came to be used for writing all the human languages in Érdahal and Rhádibar, as well as Mágeran and lately also Pálmeras and Páramalts. The cursive Sólnemm script, which is used to write Fálhamz as well as the Ghérderan tongues in Érdahal and Rhádibar, has also evolved out of Légi Férri.

It is a loosely phonetic alphabet, similarly to Latin or Cyrillic, which has evolved from an earlier logographic script (perhaps cuneiform?) that was used throughout the Ságrian Empire for writing Áltheran and early Mágeran. In its earliest form it was carved on clay, wood or stone using iron tools — hence the name — making it somewhat resemble Norse runes. Originally it contained 35 glyphs, ordered in a more-or-less phonological order:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| s | ts | t | t | p | p | k | k |  |  | m | m | n | n | r | r | l | l |
| z | dz | d | d | b | b | g | g |  |  | a | a | e | e | o | o | i | i |
| c | sh | T | th | F | f/ph | H | ch |  |  |  |  | U | ae | ] | ao | u | u |
| j | j | w | w | v | v | G | gh |  |  | I | ea | } | eo | O | oi | W | iu |
| S | s | h | h | [ | ps | x | x |  |  |  |  |  |  |  |  |  |  |

Soon, the Légi Férri script was adopted for writing Mágeran, which changed the values of some letters to better fit its phonology, such as using s and z to write *s* and *z* (later lenited to *r* and dropped), respectively; using the now free S for *ss*; and adapting vowel glyphs as follows: U = *uo,* I = *ae,* } = *eu,* and W = *ye*.

Additionally, it has added 12 new letters:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | tj | J | dj | A | ai | E | ei | ` | nj | < | rj | > | lj | y | ie |
| { | sp | Q | st | X | sk | Y | y |  |  |  |  |  |  |  |  |

Néteran and Téleran have adopted the Mágeran version of the alphabet, while adding more letters to write the commonly-occuring sonorant geminates, as well as the sounds *ts* and *dz*  (turned *zz*), Néteran-exclusive *dh* and Téleran-exclusive *kh*:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | mm | N | nn | R | rr | L | ll | q | ts | Z | zz | D | dh | K | kh |

Over time, the principal writing medium shifted to pen on paper, and the forms of the letters became more rounded, and generally came in two varieties: the plain *civic* script, and the more stylized *clerical* script — parallel to our world sans-serif and serif, respectively.

The modern Légi Férri script, known in Néteran simply as *estepé,* (“alphabet”), contains in its fullest 56 letters, ten numerals and several more punctuation marks. Letters representing consonant clusters are considered “extended alphabet” and are collated in dictionaries etc. with the first member of the cluster (though *ts*e is a “full” letter in Néteran, usually collated after *ce*).

Below are the letters in dictionary order along with their Néteran names and Romanization.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Primary letters | s | t | p | k | C | z | d | b | g | J |
| s | t | p | c, k \_e,i | ci, c \_e,i | z | d | b | g, gh \_e,i | gi, g \_e,i |
| *es* | *te* | *pe* | *ca* | *ce* | *ze* | *de* | *be* | *ga* | *ge* |
| c | T | f | H | h | j | D | v | G | K |
| sh | th | f, ph 1 | ch | h | j | dh | v | gh 2 | kh 2 |
| *esh* | *eth* | *ef* | *ach* | *ha* | *je* | *edhé* | *ve* | *ghe telér* | *ha móura* |
| m | n | r | l | w | a | e | o | i | u |
| m | n | r | l | w | a | e | o | i | u |
| *em* | *en* | *er* | *el* | *wa* | *a* | *e* | *o* | *i* | *u* |
| A | E | O | I | Y | ] | } | U | y | ^ |
| ai, ay 3 | ei, ey 3 | oe | ea | y | au | eo | ou | y- 4 | u- 5 |
| *ay* | *ey* | *oe* | *éa* | *y* | *au* | *éo* | *ou* | *ya* | *wa írda* |
| Extended letters | M | N | R | L | W |  | ` | < | > |  |
| mm | nn | rr | ll | wh 2 |  | ny- | ry- | ly- |  |
| *emmé* | *enné* | *erré* | *ellé* | *áchua* |  | *nya* | *rya* | *lya* |  |
| S | q | [ | x |  | Z | Q | { | X |  |
| ss | ts | ps | x |  | zz 2 | st | sp | sc, sk \_e,i |  |
| *ísse* | *tse* | *ípse* | *íxe* |  | *ízze* | *esté* | *espé* | *escá* |  |
| Numerals | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| *mo* | *seth* | *tyr* | *cétu* | *quess* | *naigen* | *kemp* | *ast* | *dau* | *nem* |
| Punct. | , | . | ? | ! | d~ | d: | (,) | ‘,’ | & | \* |
| , | . *or* ; | ? | ! | *geminate.* | n/m+ | (…) | “…” | & | $ |
|  |  |  |  | *séclas* 6 |  |  |  | *y(n)* | *seohír* |

1 In words from Mágeran, Córderan or Kórdorras

2 Not used in Néteran; used in other languages

3 Word-finally or before {*r, l, m, n, h*} + vowel

4 Consonantal *y*; used word-initially, between vowels and after *c* and *g*

5 Used primarily after *c* (written *qu-*), *g*, *ch* and *h*. Occasionally also after *t*, *d*, *ts, s* or *z*.

6 Literally: “double”; from *seth* “two” *+ clas, cládes* “fold”

**Légi Férri usage with other languages** (1 of 2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | |
| s | t | p | k | C |
| z | d | b | g | J |
| c | T | f | H | h |
| j | D | v | G | K |
| m | n | r | l | w |
| a | e | o | i | u |
| A | E | O | I | Y |
| ] | } | U | y | ^ |
| M | N | R | L | W |
|  | ` | < | > |  |
| S | q | [ | x |  |
| Z | Q | { | X |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Téleran** | | | | |
| s | t | p | c,k 1 | č |
| z | d | b | g | j |
| sh |  | f,ph 2 | ch | h |
|  |  | v | gh | kh |
| m | n | r | l | w |
| a | e | o | i | u |
| ai | ei | oi | ae |  |
| ao |  | ou | y- | u- |
| mm | nn | rh | ll |  |
|  |  |  |  |  |
| ss | ts | ps | x |  |
| zz | st | sp | sc,sk |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Western Téleran** | | | | |
| s | t | p | c,k 1 |  |
| z | d | b | g,gh 1 |  |
| ch | th | f | h | -e 3 |
| j | dh | v |  |  |
| m | n | r | l |  |
| a | e, è | o | i | u |
| aa |  | oe | ae |  |
| au | oi | ou | i-, ï | u-, ü |
|  |  |  |  |  |
|  | ni- | rh | li- |  |
| ss |  |  |  |  |
|  | st | sp | sc,sk |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Córderan** and**Kórdorras** | | | | |
| ts | t | p | c,k 4 | č |
| dz | d | b | g | dj |
| sh | s | ph | ch | h |
| j | z | v | gh |  |
| m | n | r | l |  |
| a | e | o | i | u |
| ai | ei | oi | *ea* | *y* |
| *aa* | *oa* | *ou* | y- |  |
|  |  | rh | ll | ui |
|  | ny- |  | ly- |  |
| ss |  | ps | x |  |
|  | st | sp | sc,sk |  |

**Légi Férri usage with other languages** (2 of 2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | |
| s | t | p | k | C |
| z | d | b | g | J |
| c | T | f | H | h |
| j | D | v | G | K |
| m | n | r | l | w |
| a | e | o | i | u |
| A | E | O | I | Y |
| ] | } | U | y | ^ |
| M | N | R | L | W |
|  | ` | < | > |  |
| S | q | [ | x |  |
| Z | Q | { | X |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mágeran** | | | | |
| s | t | p | c,qu 1 | tj |
|  | d | b | g,gu 1 | dj |
| ç,c 1 | th | ph | ch | h 3 |
| j, g 1 |  |  |  |  |
| m | n | r | l | v |
| a | e | o | i | u |
| ai | ei | oi | ae | y |
|  | eu | uo | ie | u- |
|  | gn |  |  | ye |
|  | nj | rj | lj |  |
| ss |  | ps | x |  |
|  | st | sp | sc,squ 1 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pálmeras** and **Páramalts** | | | | |
| s | t | p | k | č |
| z | d | b | g |  |
| sh | *th*5 | f | ch | h |
| j | *dh*5 | *v* 6 | gh | *kh*5 |
| m | n | r | l | w |
| a | e | o | i | u |
|  |  |  |  | *y*5 |
|  |  |  | y- |  |
|  |  |  | *ll*5 |  |
|  |  |  |  |  |
| ss | ts |  |  |  |
| dz | tt |  | q |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Séracal** and **Áltheran** 8 | | | | |
| s | t | p | c, k | ty- |
| *z*7 | d | b | g | dy- |
| x, *hy-* | *th* | f | *ch* | h |
| j | *dh* | v | *gh* |  |
| m | n | r | l | w |
| a | e | o | i | u |
| ai | ei | oi, *oa* | *aa* | ui, *y* |
| au | eu, *ea* | ou | i- | u- |
|  | nn9 |  |  | wh, *hu-* |
|  |  |  |  |  |
| ss | *ts* | *ps* | *x* |  |
|  | *st* | *sp* | *sc,sk* |  |

**Sólnemm cursive script usage**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Solnemm 10** | | | | |
| s | t | p | k | C |
| z | d | b | g | J |
| c | T | f | H | h |
| j | D | v | G | K |
| m | n | r | l | w |
| a | e | o | i | u |
| A | E | O |  |  |
| a@ | e@ | o@ | i@ | u@ |
| Z | N | < | > |  |
| q | Q | [ | X |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fálhamz** | | | | |
| s | t | p | k | č |
| z | d | b |  |  |
| sh |  | f | h |  |
| j |  | v | g |  |
| m | n | r | l |  |
| a | e | o | i | u |
|  |  |  |  |  |
|  | ae | ao | y | ou |
|  |  |  | lh,  -hl |  |
| ts | tt |  | kk |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gérʼderan** and **Sédheran** | | | | |
| s | t | p | k | tj |
| z | d | b |  | dj |
| sh | *th* | f | ch, h 11 |  |
| j,  zh 11 | *dh* | w,  v 11 | g | kh 12 |
| m | n | r | l |  |
| a | e | o | i | u |
| ay 12 | ey 12 | oy |  |  |
| aa, ah 11 | ae, ee 11 | ao, oo 11 | ie, ay 11 | ue,  au 11 |
|  | ng | r’ |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ghérderon** | | | | |
| s | t | p | k | tx |
| z | d | b |  | dj |
| sh | x | f | h |  |
| zh | j | v | g/gh |  |
| m | n | r | l |  |
| a | e | o | i | u |
| ay | ey | oy |  |  |
|  |  | ou |  |  |
| dzh | ni-, in |  | li-,il |  |
| tsh |  |  |  |  |

1 Before *e* or *i*

2 In words from Mágeran, Córderan or

Kórdorras

3 Silent

4 Before *e, i* or *y*. In Kordorras — always

5 Only in Páramalts

6 Only in Pálmeras

7 Only in loanwords from Ánderan

8 In *italics* — used only in Áltheran

9 Only in Séracal

10 Greyed-out letters are used only for

writing Téleran

11 In Sédheran

12 Only in Gér’deran

**Légi Férri usage with real-world languages** (1 of 5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | | | | | |
| s | | t | | p | | k | | C |
| z | | d | | b | | g | | J |
| c | | T | | f | | H | | h |
| j | | D | | v | | G | | K |
| m | | n | | r | | l | | w |
| a | | e | | o | | i | | u |
| A | | E | | O | | I | | Y |
| ] | | } | | U | | y | | ^ |
| M | | N | | R | | L | | W |
|  | | ` | | < | | > | |  |
| S | | q | | [ | | x | |  |
| Z | | Q | | { | | X | |  |
| a~ | | e~ | | o~ | | i~ | | u~ |
| a# | | e# | | o# | | i# | | u# |
| **English** | | | | | | | | |
| s | | t | | p | | c, k 1 | | ch,t 2 |
| z | | d | | b | | g,gu 1 | | j,g 1, d 2 |
| sh, {c,ss}2 | | th | | f, ph 3 | |  | | h |
| j, g 1 | | th lex. | | v | | gh | |  |
| m | | n | | r | | l | | w |
| a | | e | | o | | i, y | | u |
| {i, y}4 | | a4, ai,ei | | oi | |  | |  |
| ou | | u4, eu | | o 4 | | y- | | u- |
|  | | ng | | rr | | ll | | wh |
|  | |  | |  | |  | |  |
| ss, c 1 | | ts | | ps | | x | |  |
| zz | | st | | sp | | sc,sk 1 | |  |
|  | | ea, e \_rV | | au, o \_r | | ee,  e 4 | | oo |
|  | |  | |  | |  | |  |
| **French** and **Portuguese** | | | | | | | | |
| s | t | | p | | c,qu 1 | |  | |
| z | d | | b | | g,gu 1 | |  | |
| ch |  | | f | |  | | h 5 | |
| j,g 1 |  | | v | |  | |  | |
| m | n | | r | | l | |  | |
| a | e | | o | | i | | u | |
| ai, *ei* fr. | ei pt.,  *{é,è}*fr. | | *oi* pt. | |  | |  | |
| au | eu | | ou | | y- | | *ou-*fr., *u-*pt. | |
| mm | nn | | rr | | ll | | ui | |
|  | *gn* fr., *nh*pt. | |  | | *ll* fr., *lh*pt. | |  | |
| ss,c 1 | *st* pt., *-t*fr. (5 | | *sp* pt., *-p*fr. (5 | | *sc* pt., *-x*fr. (5 | |  | |
| *-s/z*fr. |  | |  | |  | |  | |
| *â* fr. | *ê* fr. | | *î* fr. | | *ô* fr. | | *û* fr. | |
| an, *ã*pt. | en, *ain* fr. | | on, *õ* pt. | | in | | un | |
| **Spanish** and **Basque** | | | | | | | | |
| s | t | | p | | c,qu 1 | | ch, *tt* bs. | |
| z | d | | b | | g,gu 1 | | *dd* bs. | |
| x | *ts* bs. | | f | | j,g 1 | | h 5 | |
| *tx* bs. | tz | | v | |  | |  | |
| m | n | | r | | l | | hu- | |
| a | e | | o | | i, y | | u | |
| ai | ei | | oi | |  | |  | |
| au | eu | | ou | | y- | | u- | |
|  | ñ | | rr | | ll | | ui | |
|  |  | |  | |  | |  | |
| ss,c 1 | st | | sp | | sc,squ 1 | |  | |
|  |  | |  | |  | |  | |
|  |  | |  | |  | |  | |
|  |  | |  | |  | |  | |

**Légi Férri usage with real-world languages** (2 of 5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | | | | | |
| s | | t | | p | | k | | C |
| z | | d | | b | | g | | J |
| c | | T | | f | | H | | h |
| j | | D | | v | | G | | K |
| m | | n | | r | | l | | w |
| a | | e | | o | | i | | u |
| A | | E | | O | | I | | Y |
| ] | | } | | U | | y | | ^ |
| M | | N | | R | | L | | W |
|  | | ` | | < | | > | |  |
| S | | q | | [ | | x | |  |
| Z | | Q | | { | | X | |  |
| a~ | | e~ | | o~ | | i~ | | u~ |
| a# | | e# | | o# | | i# | | u# |
| **Italian** and **Romanian** | | | | | | | | |
| s | | t | | p | | c,ch 1 | | c(i)- |
| z | | d | | b | | g,gh 1 | | g(i)- |
| sc(i)-, *ș* rom. | |  | | f | |  | | h 5 |
| *j* rom. | |  | | v | |  | |  |
| m | | n | | r | | l | | u #\_V |
| a | | e | | o | | i | | u |
| ai | | ei | | oi | | *ă* rom. | | *â, î* rom. |
| au | | eu | | ou | | *-i* rom. | | u- |
|  | | *nn* it. | | *rr* it. | | *ll* it. | | ui |
|  | | *gn* it. | |  | | *gli-* it. | |  |
| ss,c 1 | | st | | sp | | sc,sch1 | |  |
| *zz* it. | | *ț* rom. | | *ps* rom. | | *cs* rom. | |  |
|  | | ea, e \_rV | | au, o \_r | | ee,  e 4 | | oo |
|  | |  | |  | |  | |  |
| **German** and **Dutch** | | | | | | | | |
| s | t | | p | | k | | *tsch,* *tsj* 6 | |
| z | d | | b | | g | |  | |
| *sch*, *sj* 6 |  | | f,*v* 7 | | ch | | h | |
| *zj* 6 |  | | *w*, *v* 6 | |  | | *pf* 7 | |
| m | n | | r | | l | | *w* 6 | |
| a | e | | o | | i | | *u*,  *oe* 6 | |
| ai | ei,*ij* 6 | | *ö* 7 | | *ä* 7 | | *ü*, *u* 6 | |
| au, *ou* 6 | eu | |  | | j | |  | |
|  | ng | | rr | | ll | | *ui* 6 | |
|  |  | |  | |  | |  | |
| ss | *ts*,  *tz* 7 | | ps, bs | | x, *chs* 7 | |  | |
|  | st | | sp | | sk | |  | |
| aa | ee | | ie | | oo | | uh | |
|  |  | |  | |  | |  | |
| **Swedish** and **Finnish** | | | | | | | | |
| s | t | | p | | k | | kj,k 1 | |
|  | d | | b | | g | |  | |
| sj |  | | f | | ch | | h | |
|  |  | | v | |  | |  | |
| m | n | | r | | l | |  | |
| a | e | | o | | i | | u | |
| ai | ei | | ö | | ä | | y | |
| *au* f. | *ää* f. | | å, *öö* f. | | j, g 1 | |  | |
|  | ng | | rr | | ll | | *yy* f. | |
|  | nj | | rj | | lj | |  | |
| ss | ts | | ps | | x,ks | |  | |
|  | st | | sp | | sk | |  | |
| *aa* f. | *ee* f. | | *oo* f. | | *ii* f. | | *uu* f. | |
|  |  | |  | |  | |  | |

**Légi Férri usage with real-world languages** (3 of 5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | | | | | |
| s | | t | | p | | k | | C |
| z | | d | | b | | g | | J |
| c | | T | | f | | H | | h |
| j | | D | | v | | G | | K |
| m | | n | | r | | l | | w |
| a | | e | | o | | i | | u |
| A | | E | | O | | I | | Y |
| ] | | } | | U | | y | | ^ |
| M | | N | | R | | L | | W |
|  | | ` | | < | | > | |  |
| S | | q | | [ | | x | |  |
| Z | | Q | | { | | X | |  |
| a~ | | e~ | | o~ | | i~ | | u~ |
| a# | | e# | | o# | | i# | | u# |
| **Polish** | | | | | | | | |
| s | | t | | p | | k | | ć, ci- |
| z | | d | | b | | g | | dź, dzi- |
| sz | | ś,si- | | f | | h, ch | |  |
| rz,ż | | ź,zi- | | w | |  | |  |
| m | | n | | r | | l | | ł |
| a | | e | | o | | i | | u, ó |
| aj | | ej | | oj | |  | |  |
|  | |  | |  | | j | |  |
|  | |  | |  | |  | |  |
|  | | ń, ni- | |  | | li- | |  |
| cz | | c | | ps | | ks | |  |
| dż | | dz | | bz | | gz | |  |
|  | |  | |  | |  | |  |
|  | | ę | | ą | |  | |  |
| **Hungarian** | | | | | | | | |
| sz | t | | p | | k | | ty- | |
| z | d | | b | | g | | gy- | |
| s |  | | f | |  | | h | |
| zs |  | | v | |  | |  | |
| m | n | | r | | l | |  | |
| a | e | | o | | i | | u | |
| ai | ei | | ö | | í | | ü | |
|  |  | | ő | | j | |  | |
|  | nn | | rr | | ll | | ű | |
|  | ny- | |  | |  | |  | |
| cs | c | |  | |  | |  | |
| dzs | dz | |  | |  | |  | |
| á | é | | ó | |  | | ú | |
|  |  | |  | |  | |  | |
| **Russian** and **Ukrainian** | | | | | | | | |
| с | т | | п | | к | | ч | |
| з | д | | б | | г | | дж | |
| ш | щ | | ф | | х | | ь | |
| ж | жж | | в | | г ukr. | |  | |
| м | н | | р | | л | |  | |
| а | е, э #\_ | | о | | и | | у | |
| ай | ей | | ой | | ий | | ы | |
|  | *э* 98 | | ый | | й | |  | |
|  | нн | |  | |  | | уй | |
|  | нь | | рь | | ль | |  | |
| сс | ц | | пс | | кс | |  | |
|  | ст | | сп | | ск | |  | |
| я | *є* ukr. | | ё | | *ї* ukr. | | ю | |
|  |  | |  | |  | |  | |

**Légi Férri usage with real-world languages** (4 of 5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | | | | | |
| s | | t | | p | | k | | C |
| z | | d | | b | | g | | J |
| c | | T | | f | | H | | h |
| j | | D | | v | | G | | K |
| m | | n | | r | | l | | w |
| a | | e | | o | | i | | u |
| A | | E | | O | | I | | Y |
| ] | | } | | U | | y | | ^ |
| M | | N | | R | | L | | W |
|  | | ` | | < | | > | |  |
| S | | q | | [ | | x | |  |
| Z | | Q | | { | | X | |  |
| a~ | | e~ | | o~ | | i~ | | u~ |
| a# | | e# | | o# | | i# | | u# |
| **Turkish** | | | | | | | | |
| s | | t | | p | | k | | ç |
| z | | d | | b | | g | | c |
| ş | |  | | f | |  | | h |
| j | |  | | v | | ğ | |  |
| m | | n | | r | | l | |  |
| a | | e | | o | | i | | u |
| ay | | ey | | ö | | ı | | ü |
|  | |  | |  | | y | |  |
|  | |  | |  | |  | |  |
|  | |  | |  | |  | |  |
|  | | ts | | ps | | x | |  |
|  | | st | | sp | | sk | |  |
|  | |  | |  | |  | |  |
|  | |  | |  | |  | |  |
| **Hebrew** | | | | | | | | |
| *ס* | *ט,ת* | | *פּ* | | *כּ, ק* | | *צ'* | |
| *ז* | *ד* | | *בּ* | | *ג* | | *ג'* | |
| *ש* |  | | *פֿ* | | *כֿ* | | *ה* | |
| *ז'* |  | | *בֿ,וְ* | | *ע* | | *ח* | |
| *מ* | *נ* | | *ר* | | *ל* | | *ווְ* | |
| *אָ,אַ* | *אֶ,אֵ* | | *אוֹ* | | *אִי* | | *אוּ,אֻ* | |
| *אַי* | *אֵי* | | *אוֹי* | |  | |  | |
|  |  | |  | | *יְ* | |  | |
|  |  | |  | |  | | *אוּי* | |
|  |  | |  | |  | |  | |
| *שׂ* | *צ* | | *פּס* | | *כּס,קס* | |  | |
|  |  | |  | |  | |  | |
|  |  | |  | |  | |  | |
|  |  | |  | |  | |  | |
| **Arabic** | | | | | | | | |
| *س* | **ت** | |  | | **ق** | | **ك** | |
| *ز* | **د** | | *ب* | | **غ** | | **ج** | |
| *ش* | **ث** | | *ف* | | **خ** | | **ه** | |
|  | **ذ** | |  | | **ع** | | **ح** | |
| *م* | **ن** | | *ر* | | **ل** | | **و** | |
| *أَ* | **إٍ** | | *أُ* | | **إٍي** | | *أُو* | |
| *أَيْ* |  | | *أُيْ* | | *ء***آى** | |  | |
| *أَوْ* |  | |  | | *يْ* | |  | |
|  |  | |  | |  | |  | |
|  |  | | *رّ* | | للّه | |  | |
| *ص* | **ط** | |  | |  | |  | |
| *ظ* | **ض** | |  | |  | |  | |
|  |  | |  | |  | |  | |
| *أً* | **إٍ** | | *أٌ* | |  | |  | |

**Légi Férri usage with real-world languages** (5 of 5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Legi Ferri** | | | | | | | | |
| s | | t | | p | k | | C | |
| z | | d | | b | g | | J | |
| c | | T | | f | H | | h | |
| j | | D | | v | G | | K | |
| m | | n | | r | l | | w | |
| a | | e | | o | i | | u | |
| A | | E | | O | I | | Y | |
| ] | | } | | U | y | | ^ | |
| M | | N | | R | L | | W | |
|  | | ` | | < | > | |  | |
| S | | q | | [ | x | |  | |
| Z | | Q | | { | X | |  | |
| a~ | | e~ | | o~ | i~ | | u~ | |
| a# | | e# | | o# | i# | | u# | |
| **Greek** | | | | | | | | |
| σ | | τ | | π | κ | | κι- | |
| ζ | | ντ | | μπ | γκ | | γκι- | |
| χι- | | θ | | φ | χ | |  | |
| γι- | | δ | | β | γ | |  | |
| μ | | ν | | ρ | λ | |  | |
| α | | ε | | ο | ι | | ου | |
| αι | | ει | | οι | η | | υ | |
| αυ | | ευ | | ω |  | |  | |
| μμ | | νν | | ρρ | λλ | | υι | |
|  | | νι- | |  | λι- | |  | |
| σσ | | τσ | | ψ | ξ | |  | |
|  | | τζ | |  |  | |  | |
|  | |  | |  |  | |  | |
|  | |  | |  |  | |  | |
| **Chinese** and **Japanese 9** | | | | | | | | |
| s | t | | p | | | k | | *q*,  ch jp. |
| z | d | | b | | | g | | j |
| sh | *x* | | f | | | h | |  |
|  |  | |  | | |  | |  |
| m | n | | r | | | *l* | | w |
| a | e | | o | | | i | | u |
| ai | ei | | oi jp. | | | ii jp. | | *yu* |
| *ao* |  | | *ou* | | | y- | | u- |
|  | *-ng* | |  | | |  | | ui |
|  | ny jp. | | ry jp. | | |  | |  |
| *ch* | *c*,ts jp. | |  | | |  | |  |
| *zh* |  | |  | | |  | |  |
| aa jp. | ee jp. | | ou jp. | | |  | | uu jp. |
| an | en | | on | | | in | | un |

1 Before *e, i* or *y*

2 Before *i+*vowel*, e+*vowel*,*

or long *u*

3 In words of Greek origin

4 Long: (mainly) in open

stressed syllables

5 Silent

6 In Dutch

7 In German

8 In loanwords; Russian only

9 In *italics:* Chinese only