

A Structural Overview of Inuktitut

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Article abstract

This structural overview includes a brief discussion of Inuktitut as a polysynthetic agglutinative language. It outlines affiliations with other language families and lists the sub-branches and dialects of the language. The phonological and morphophonemic systems of Inuktitut are described. The central morphology of the language is discussed in two subsections, one dealing with the noun phrase, the other with the verb phrase.

SECTION I

A STRUCTURAL OVERVIEW OF INUKTITUT

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Résumé

Ce survol structurel offre une description de l'inuktitut en tant que langue polysynthétique et agglutinante. On signale les liens entre l'inuktitut et les autres familles de langues et on dresse la liste des langues et dialectes qui y sont rattachés. On décrit également les systèmes phonologiques et morphophonologiques de cette langue. Enfin, la morphologie principale de la langue est discutée en deux sous-sections, l'une traitant du syntagme nominal, l'autre du syntagme verbal.

Abstract

This structural overview includes a brief discussion of Inuktitut as a polysynthetic agglutinative language. It outlines affiliations with other language families and lists the sub-branches and dialects of the language. The phonological and morphophonemic systems of Inuktitut are described. The central morphology of the language is discussed in two sub-sections, one dealing with the noun phrase, the other with the verb phrase.

Eskimo-Aleut is a language family originally centered in Alaska, which has now spread across Northern Canada, Greenland and the north-eastern tip of Siberia. It probably has wider affiliations with Chukotko-Kamchatkan and Uralic although at present this is still uncertain. There are two branches of this family, Eskimo and Aleut, which are in turn composed of seven distinct languages.

ESKIMO-ALEUT

ESKIMO		ALEUT	
YUPIK	INUIT	ALEUT	
Sirenikski	Inuit	Aleut	
Central Alaska Yupik			
Alutiiq			
Naukanski			
Central Siberian Yupik			

The Inuit subbranch is composed of 16 dialects spread out over 8,000 kilometres from Little Diomed Island in the Bering Strait to the east coast of Greenland. It is spoken by approximately 66,000 people. This multiplicity of dialects further complicates the already difficult task of interpreting and translating in Canada's North. The lack of dictionaries and other resource material also aggravates this situation, as does the use of two orthographies, syllabic and roman.

The Inuit language can be described as polysynthetic in structure. It is agglutinative in so far as individual grammatical affixes can be segmented in invariant form, although upon closer examination, a certain amount of fusion occurs due to phonological processes.

The phonemic system is fairly simple. There are three vowels **a, i** and **u** which can be long or short. There are several single consonants **g, h, j, k, l, m, ng, p, n, x, q, X, s, t, v** and several consonant cluster combinations, which vary somewhat from dialect to dialect.

The word is the core of the morphology. The word begins with a root to which affixes may be added, from a minimum of one up to six or more. Some affixes define the semantic content in detail while others express grammatical category.

Tautuqattaqujaulaunnngitkaluaqtugut.

<i>tautuk</i>	<i>-qattaq</i>	<i>-qu</i>	<i>-jau</i>	<i>-lauq</i>	<i>-nngit</i>	<i>-kaluaq</i>	<i>-tugut</i>
root	habitual	tell	passive	general	negative	actually	indicative
(watch)	action			past			1 pl
							intransitive

We were actually told not to keep watching.

Many morphophonemic alternations occur at these affix boundaries. Affixes can be divided into two categories: deleting and non-deleting.

Many affixes delete the final consonant of the stem.

Itilaqtuq.

<i>itiq</i>	<i>-lauq</i>	<i>-tuq</i>
stem (enter)	general past	3sg indicative intransitive

He came in.

With non-deleting affixes a mutually — influenced assimilation between the stem final consonant and the first segment of the affixes occurs and either one or both consonants may change.

Inungmik

<i>Inuk</i>	<i>-mik</i>
root	modalis
(person)	
A person	

Before beginning this structural sketch of Inuktitut a few words of caution seem in order. The grammatical categories used in describing Indo-European languages such as nouns and verbs etc. should not be seen as absolute slots which can be successfully applied to label the phenomena of non Indo-European languages.

THE NOUN PHRASE

Nouns and pronouns in Inuktitut are inflected for number, person and case. Nouns and pronouns have no gender. The primary suffixes of number are the same in nouns and pronouns, -q or ø for singular, -k for dual and -t for plural. In Inuktitut, nouns in the third person are marked as to whether they are coreferent or non-coreferent with the subject of a controlling clause. These markers have been traditionally referred to as third and fourth person in the literature. The marking of third person subjects in this way is also known as switch reference.

Quviasuttianngittuq katangmat.

<i>quvia</i>	<i>-suk</i>	<i>-ttiaq</i>	<i>-nngit</i>	<i>-tuq</i>	<i>katak</i>	<i>-mat</i>
root	intransitive	adverb	negative	indicative	root	causative
(happy)	marker	(really)		3sg	(fall)	4sg
				intransitive		intransitive

She is really sad because she falls.
(Margaret) (Jane)

Quviasuttianngittuq katakkami

<i>quvia</i>	<i>-suk</i>	<i>-ttiaq</i>	<i>-nngit</i>	<i>-tuq</i>	<i>katak</i>	<i>-gami</i>
root	intransitive	adverb	negative	indicative	root	causative
(happy)	marker	(really)		3sg	(fall)	3sg
				intransitive		intransitive

She is sad because she falls
(Margaret) (Margaret)

There are eight cases in Inuktitut: absolutive, relative, modalis, localis, ablative, vialis, terminalis and aequalis. The absolutive and relative cases are particularly interesting.

The absolutive case marks both the subject of an intransitive clause and the object of a transitive clause. This case lacks a special ending in the singular of unpossessed nouns.

Arnaq tikittuq.

<i>arnaq</i>	<i>-ø</i>	<i>-tikit</i>	<i>-tuq</i>
root	absolutive	root	indicative
(woman)		(arrive)	3sg
			intransitive

The woman arrives.

Arnaq takujara.

<i>arnaq</i>	<i>-ø</i>	<i>taku</i>	<i>-jara</i>
root	absolutive	root	indicative
(woman)		(see)	1sg/3sg
			transitive

I see the woman.

The relative case marked by the suffix *-(u)p* indicates transitive subjects. The existence of this case is the reason for Inuktitut being classified by some as an ergative language.²

Arnaup takujaanga.

<i>arnaq</i>	<i>-up</i>	<i>taku</i>	<i>-jaanga</i>
root (woman)	relative	root (see)	indicative 3sg/1sg relative

The woman sees me.

The relative case is also used to mark the possessor in possessive constructions. The possessor precedes the possessed which has a suffix that indicates the person, and number of the possessor and the case of the entire noun phrase.

Nutaraup qimmia takujara.

<i>nutaraq</i>	<i>-up</i>	<i>qimmiq</i>	<i>-a</i>	<i>taku</i>	<i>-jara</i>
root	relative	root	3sg abs	root (see)	indicative
(child)		(dog)	possessed		1sg/3sg transitive

I see the child's dog.

Relative pronouns as such do not exist in Inuktitut. There are only three types of pronouns. The first type are independent, the second type are attached to nouns, and the third type are attached to verbs.

The first type typically occurs when the same person is both the subject and the object of a verb, and can be described as personal object pronouns or reflexives.

Takuvunga uvamnik.

<i>taku</i>	<i>-vunga</i>	<i>-yvamnik</i>
root (see)	indicative 1sg	1sg modalis
	intransitive	

I see myself.

This type also occurs with demonstrative pronouns/adverbs (spatial deictics) which are quite explicit. Denny (1982)³ has described this system of deictic spatial adverbs as involving contrasts of "here/there" with five locations. These are expressed by eleven

roots. Each root can take the prefix ta-[C] to express things that cannot be seen or pointed to (or to indicate that the referent has already been referred to), yielding twenty-two prefixed roots. Each of these can take four local case suffixes yielding eighty-eight words.

The second type which are attached to nouns, creates a possessed form of the noun. Case may be added after these suffixes.

Nulianga.

<i>nuliaq</i>	-nga
root	possessive
(wife)	3sg absolutive

His wife.

The third type are subject pronouns which are always suffixed to the verb in both transitive and intransitive clauses.

Takuvunga tuktumik.

<i>taku</i>	-vunga	<i>tuktu</i>	-mik
root	indicative	root	modalis
(see)	1sg intransitive	(caribou)	

I see the caribou.

Qimmirmik tusaqtunga.

<i>qimmiq</i>	-mik	<i>tusaq</i>	-tunga
root (dog)	modalis	root (hear)	indicative 1sg intransitive

I hear the dog.

When the same pronoun is not both subject and object of a verb, the person pronoun object may be combined with the subject pronoun and suffixed to the verb in transitive clauses.

Takuvara.

<i>taku</i>	-vara
root	indicative
(see)	1sg / 3sg intransitive

I see it.

Tusaqtara.

<i>tusaq</i>	-tara
root	indicative
(hear)	1sg / 3sg transitive

I hear it.

THE VERB PHRASE

Pronoun suffixes attached to verbs indicate the transitivity, mood, person and number of the verb phrase. Person and number operate the same in verbs as they do in nouns.

There are three types of verb phrases in Inuktitut: intransitive, transitive and antipassive.

Intransitive

Nanuq siniktuq.

<i>nanuq</i>	- $\emptyset$	<i>sinik</i>	-tuq
root	absolutive	root	indicative 3sg
(bear)		(sleep)	intransitive

The bear is sleeping.

Transitive

Angunasuktiup nanuq takujaa.

<i>angu</i>	-nasuk	-ti	-(u)p	<i>nanuq</i>	- $\emptyset$	<i>taku</i>	-jaa
root	try	doer	relative	root	abs	root	indicative
(catch up)				(bear)		(see)	3sg / 3sg transitive

The hunter sees the bear.

Antipassive***Angunasukti nanurmik takuvuq.***

<i>angu</i>	<i>-nasuk</i>	<i>-ti</i>	<i>nanuq</i>	<i>-mik</i>	<i>taku</i>	<i>-vuq</i>
root	try	doer	root	modalis	root	indicative
(catch up)			(bear)		(see)	3sg intransitive

The hunter sees a bear.

Semantically the difference in meaning which is created by the use of the antipassive versus the transitive usually corresponds to non-specificity versus specificity of the object.

There are two separate sets of pronoun suffixes to express transitivity and intransitivity and these combine with mood, number and person, forming extensive paradigms.

Mood can be divided into independent moods and dependent moods. The independent moods, the indicative, interrogative and imperative, function much like English.

The causative, conditional, dubitative and participial moods need a certain amount of explanation as to their usage.

In the causative and conditional moods switch reference distinguishes the third plain and third reflexive forms. The causative mood is used with sentences that can be translated with **because** in the present and future, **when** or **because** in past tense, and **that** in past and future.

Quviasukpunga tikimmat.

<i>quvia</i>	<i>-suk</i>	<i>-punga</i>	<i>tikit</i>	<i>-mat</i>
root	intransitive	indicative	root	causative
(happy)	marker	1sg intransitive	(arrive)	4sg intransitive

I'm happy because he arrived.

Nninngaumajuq arnarmik kuniksiniarami.

<i>ninngau</i>	<i>-ma</i>	<i>-juq</i>	<i>arnaq</i>	<i>-mik</i>
root	in the	indicative	root	modalis
(angry)	state of	3sg intransitive	(woman)	

<i>kunik</i>	<i>-si</i>	<i>-niaq</i>	<i>-gami</i>
root	intransitive	general	causative
(kiss)	marker	future	3sg intransitive

He / she is angry because he / she will kiss a woman.

Takulaugtara tikimmat.

<i>taku</i>	<i>-lauq</i>	<i>-tara</i>	<i>tikit</i>	<i>-mat</i>
root	general	indicative	root	causative
(see)	past	1sg / 3sg transitive	(arrive)	3sg intransitive

I saw him when he arrived.

Qaujimajara tikimmat.

<i>qauji</i>	<i>-ma</i>	<i>-jara</i>	<i>tikit</i>	<i>-mat</i>
root	in the	indicative	root	causative
(know)	state of	1sg / 3sg transitive	(arrive)	4sg intransitive

I know that he arrived.

The conditional is usually translated with "if". Care must be taken in future tenses as it can also be translated with "when" depending on context.

Quviasungniaqtunga tikippat

<i>quvia</i>	<i>-suk</i>	<i>-niaq</i>	<i>-tunga</i>	<i>tikit</i>	<i>-pat</i>
root	intransitive	general	indicative	root	conditional
(happy)	marker	future	1sg intransitive	(arrive)	3sg intransitive

(I will be happy if he comes)
 (I will be happy when he comes)

The participial is composed of two sets of participles, past and present, and future. In using the past and present participles, a subdivision is made between dependent and independent ones. Dependent participles must have the same subject as the main verb. They begin with a voiceless lateral slit fricative **l**. (After vowels there is an intrusive **b** in some dialects, and the voiceless **l** becomes a voiced **l**). Independent participle is used when the participle subject is not the same as the main verb. It is marked by the addition of **-tit-** which is assimilated to **-til**.

Sinikillunga anivutit.

<i>sinik</i>	<i>-tit</i>	<i>-lunga</i>	<i>ani</i>	<i>-vutit</i>
root	indicative	participial	root	indicative
(sleep)	part. marker	1sg intransitive	(go out)	2sg intransitive

While I'm sleeping, you go out.

Siniklunga anijunga.

<i>sinik</i>	<i>-lunga</i>	<i>ani</i>	<i>-junga</i>
root	participial	root	indicative
(sleep)	1sg intransitive	(go out)	1sg intransitive

While I'm sleeping, I go out.

Itiqitlutit anijuq.

<i>itiq</i>	<i>-tit</i>	<i>-lutit</i>	<i>ani</i>	<i>-juq</i>
root	indicative	participial	root	indicative
(enter)	part. marker	2sg intransitive	(go out)	3sg intransitive

While you were entering he went out.

The future participles begin with a voiced **l**.

Aqagu qailunga takuniaqpara.

<i>aqagu</i>	<i>qai</i>	<i>-lunga</i>	<i>taku</i>	<i>-niaq</i>	<i>-para</i>
adverb	root	participial	root	general	indicative 1sg /
(tomorrow)	(come)	1sg intransitive	(see)	future	3sg transitive

Tomorrow, I will see it when I come.

The intransitive forms of the participial have two other uses.

The simple forms can be translated as 'when'. The reflexive can be translated as 'even though'. Both clauses must contain factual information.

Aannialunga aullajjaanngilanga.

<i>aannia</i>	<i>-lunga</i>	<i>aullaq</i>	<i>-jjaanngit</i>	<i>-langa</i>
root	participial	root	negative	indicative
(sick)	1sg intransitive	(go away)		1sg intransitive

I won't go away when I'm sick.

Aannialarma aullarasukpunga.

<i>aannia</i>	<i>-larma</i>	<i>aullaq</i>	<i>-rasuk</i>	<i>punga</i>
root	participial	root	try	indicative
(sick)	1sg intransitive	(go away)		1sg intransitive

Even though I'm sick, I'll try to go away.

The dubitative is used to express doubt, a question that is indirectly asked or when one is wondering if, why, how, where or when an event is happening.

In Inuktitut, perceived and unperceived past actions are distinguished in the verbal system. The affix **-niq-** is used to describe the past unperceived in the state of the verb. The time of the past action is indicated by tense suffixes used with the verb in the subordinate clause.

Tingmisuuq tikilaunngittuq suuqaima katannirami.

<i>tingmisuuq</i>	<i>tikit</i>	<i>-lauq</i>	<i>-nngit</i>	<i>-tuq</i>	<i>suuqaima</i>
root	root	general	negative	indicative	adverb
(airplane)	(arrive)	past		3sg intransitive	(of course)

<i>katak</i>	<i>-niq</i>	<i>-gami</i>
root (crash)	past unperceived	-3sg causative intransitive

The plane didn't arrive of course because it crashed.

The affix **-viniq** can also be added to the verb to show past action unperceived by the speaker at the time of its occurrence.

Tigliktaviniit.

<i>tiglik</i>	<i>-ta</i>	<i>-viniq</i>	<i>-it</i>
root	passive	past	indicative 2/3sg
(steal)	participle	unperceived	transitive

You stole it (unknown to me at the time).

Tigliktaait.

<i>tiglik</i>	<i>-taq</i>	<i>-it</i>
root	passive	indicative
(steal)	participle	2sg/3sg intransitive

You stole it (and I knew about it at the time).

Past actions unperceived by the speaker at the time of their occurrence, but which became know to him/her later by being reported verbally are expressed by the speaker as if they were perceived with the addition of the word final suffix **-guuq**.

Qimmuqsiit pingasut tikittuguuq.

<i>qimmutsit</i>	<i>-it</i>	<i>pingasut</i>	<i>tikit</i>	<i>-tut</i>	<i>-guuq</i>
root	plural	three	root	indicative	reported
(dog team)	marker	(arrive)	3 plural intransitive	speech	

Three dog teams arrived (they say).

I hope that this brief structural overview of Inuktitut provides a backdrop for the articles on interpreting and translating which follow.

Notes

1. L. J. Dorais (1990) *Inuit Uqausiqatigiit: Inuit Languages and Dialect*, Arctic College, Nunatta Campus, Iqaluit.
2. M. S. Sammons (1985) *Inuktitut in Rankin Inlet*, UMI Ann Arbor, Michigan.
3. P. Denny (1982) "Semantics of the Inuktitut (Eskimo) Spatial Deictics", *I.J.A.L.*, vol. 48, no 4, pp. 359-384.