On Relativizing Adverbials*

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This paper addresses the issue of how adverbial expressions are relativized. We identify two types of strategies for this task across languages: One has to do with the height of the extraction site: In certain constructions, only adverbials merged outside the vP phase are subject to relativization, as it is less likely for them to be blocked by nominative arguments. The other is based on the categorial status of the participants involved in relativization: Namely, they need to be nominal to survive a certain type of construals. It is argued that Chinese headless relatives are headed by an empty pronominal, constituting an NP by default, while Austronesian headless relatives are headed by a (nominative) marker, forming a full-fledged DP. This move, in conjunction with the above strategies, offers a straightforward explanation of various pseudocleft-relative asymmetries observed in Chinese and Austronesian languages.

Key words: relativization, adverbials, pseudocleft, headless relative clause, head-internal relative clause

1. A pseudocleft-relative asymmetry in Mandarin

In Chinese, there is a rather curious asymmetry between pseudoclefts and ordinary relative clauses. Chinese pseudocleft constructions are often analyzed as equational sentences with a headless relative clause as its subject, as exemplified by (1a-b):

(1) a. [[zuotian zai jiaoshi yong saoba henhendi da Xiaodi] de]  
   yesterday at classroom with broom fiercely beat Xiaodi DE  
   shi Akiu.  
   be Akiu  
   ‘(The one) who beat Xiaodi fiercely in the classroom with a broom yesterday is Akiu.’

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b. \[
\text{[zuotian Akiu zai jiaoshi yong saoba henhendi da] de}
\]
yesterday Akiu at classroom with broom fiercely beat DE
shi Xiaodi.
be Xiaodi
‘(The one) whom Akiu beat fiercely in the classroom with a broom
yesterday is Xiaodi.’
\[\text{PATIENT}\]

This usage is very restricted in that headless relatives are compatible only with typical
arguments such as the AGENT in (1a) or the PATIENT in (1b). The same construal,
however, is not available for all sorts of adjuncts, e.g., the temporal adverbial in (2a), the
locative adverbial in (2b), the instrumental adverbial in (2c), the manner adverbial in (2d),
and the reason adverbial in (2e):

(2) a. \[
\text{[Akiu zai jiaoshi yong saoba henhendi da Xiaodi] de}
\]
Akiu at classroom with broom fiercely beat Xiaodi DE
shi zuotian.
be yesterday
‘(The time) when Akiu beat Xiaodi fiercely in the classroom with a broom
is yesterday.’
\[\text{TIME}\]

b. \[
\text{[zuotian Akiu yong saoba henhendi da Xiaodi] de}
\]
yesterday Akiu with broom fiercely beat Xiaodi DE
shi (zai) jiaoshi.
be at classroom
‘(The place) where Akiu beat Xiaodi fiercely with a broom yesterday is the
classroom.’
\[\text{LOCATION}\]

c. \[
\text{[zuotian Akiu zai jiaoshi henhendi da Xiaodi] de} \ shi
\]
yesterday Akiu at classroom fiercely beat Xiaodi DE be
(yong) saoba.
with broom
‘(The way) how Akiu beat Xiaodi fiercely in the classroom yesterday is a
broom.’
\[\text{INSTRUMENT}\]

d. \[
\text{[zuotian Akiu zai jiaoshi yong saoba da Xiaodi] de}
\]
yesterday Akiu at classroom with broom beat Xiaodi DE
shi henhendi.
be fiercely
‘(The manner) with which Akiu beat Xiaodi in the classroom with a broom
yesterday is fierce.’
\[\text{MANNER}\]
On Relativizing Adverbials

e. *[[zuotian Akiu zai jiaoshi yong saoba henhendi da Xiaodi] 
    yesterday Akiu at classroom with broom fiercely beat Xiaodi 
    de] shi (yinwei) zuobi. 
    DE be because of cheating 
    ‘(The reason) why Akiu beat Xiaodi fiercely in the classroom with a broom 
    yesterday is cheating.’ [REASON]

In contrast to the pseudocleft constructions illustrated above, their ordinary relative counterparts do not show the same argument-adjunct asymmetry: For the AGENT argument of (3a) and the PATIENT argument of (3b), relativization is not a problem, as predicted:

(3) a. [[zuotian zai jiaoshi yong saoba henhendi da Xiaodi] 
    yesterday at classroom with broom fiercely beat Xiaodi 
    de ren] shi Akiu. 
    DE person be Akiu 
    ‘The person who beat Xiaodi fiercely in the classroom with a broom 
    yesterday.’ [AGENT]

b. [[zuotian Akiu zai jiaoshi yong saoba henhendi da] 
    yesterday Akiu at classroom with broom fiercely beat 
    de ren] shi Xiaodi. 
    DE person be Xiaodi 
    ‘The person whom Akiu beat fiercely in the classroom with a broom 
    yesterday is Xiaodi.’ [PATIENT]

However, unlike those adjunct pseudocLEFTs in (2a-e), it is perfectly okay to relativize quasi-arguments such as TIME in (4a), LOCATION in (4b), INSTRUMENT in (4c), MANNER in (4d), and REASON in (4e):

(4) a. [[Akiu zai jiaoshi yong saoba henhendi da Xiaodi] de shijian] 
    Akiu at classroom with broom fiercely beat Xiaodi DE time 
    shi zuotian. 
    be yesterday 
    ‘The time when Akiu beat Xiaodi fiercely in the classroom with a broom is 
    yesterday.’ [TIME]

b. [[zuotian Akiu yong saoba henhendi da Xiaodi] de didian] 
    yesterday Akiu with broom fiercely beat Xiaodi DE location
In this paper, we propose to account for this pseudocleft-relative asymmetry in Chinese by comparing it to relevant phenomena in Austronesian languages such as Malagasy, Squliq Atayal, and Tsou. Based on evidence from this comparison, we show that there are two major strategies to relativize an adverbial: The first strategy is for the target of relativization to merge high in the syntactic projection, presumably well beyond the vP phase. The other strategy is for the target to appear either as a nominal operator (in the case of pseudoclefts) or a nominal variable (in the case of head-internal relatives). In §2, we show that Malagasy pseudoclefts allow subjects and certain adjuncts to extract, while relativization is strictly limited to subjects through voice morphology. Section 3 addresses issues surrounding the linguistic variations among Chinese and Austronesian languages. Section 4 proceeds to examine the extractability of temporal adjuncts in pseudoclefts and relative clauses in Squliq Atayal, whose behavior is unique among adverbials or adjuncts. In §5, we put forth the claim that Tsou seems to employ the
head-internal relative strategy to construct instrumental and reason pseudoclefts. Section 6 concludes this paper.

2. Pseudoclefts vs. relatives in Malagasy

In Malagasy, there is also an asymmetry between pseudoclefts and ordinary relative clauses. As Potsdam (2006) argues quite forcefully, Malagasy \(wh\)-construals such as (5) involve a headless relative clause in subject position with a nominal predicate \(iza\) ‘who’ (also cf. Dahl 1986, Paul 2001):

(5) \(iza\) no nividy ny akoho?

\(who\) PRT buy.ACT the chicken

‘Who bought the chicken?’

In other words, (5) is not an instance of \(wh\)-movement as in European languages. Rather, it is a pseudocleft in disguise, as illustrated in the following diagram:

As is well known since the seminal work of Keenan (1976), only subjects and certain types of adjuncts can undergo relativization (see also Keenan & Comrie 1977, Keenan

\[\text{Abbreviations used in this paper are as follows: \(ACT\): active voice; \(AV\): actor voice; \(CIRC\): circumstantial voice; \(CL\): classifier; \(HAB\): habitual aspect; \(IRR\): irrealis mood; \(LOC\): locative marker; \(NAV\): non-actor voice; \(NOM\): nominative case; \(OBL\): oblique case; \(PASS\): passive voice; \(PRF\): perfective aspect; \(PRT\): particle; \(PV\): patient voice; \(REA\): realis mood; \(TOP\): topic marker.}\]
1995, Paul 2000, 2002, Pearson 2001, Sabel 2002). Take (7a) for instance: the active voice picks the Agent as the subject, so there is no problem to extract the subject, i.e. the buyer:

\[
\begin{align*}
(7) \ a. & \text{ who } \text{ PRT buy.ACT the chicken } \quad \text{[AGENT subject with active voice]} \\
& \text{‘Who bought the chicken?’} \\
& \text{b. *who } \text{ PRT buy.PASS the chicken } \quad \text{[AGENT subject with passive voice]} \\
& \text{‘Who was the chicken bought by?’}
\end{align*}
\]

However, if we change the voice to passive, or more accurately, a Patient/Undergoer voice, as in (7b), then it becomes impossible to pick the Agent as the subject, and the headless relative construal is blocked. On the other hand, (8a) and (8b) show the reverse pattern: if the voice morphology picks the Theme as the subject, then we are not allowed to extract the Agent argument:

\[
\begin{align*}
(8) \ a. & \text{ what } \text{ PRT buy.PASS CL Bao with passive voice } \quad \text{[THEME subject]} \\
& \text{‘What was bought by Bao?’} \\
& \text{b. *what } \text{ PRT buy.ACT CL Bao with active voice } \quad \text{[THEME subject]} \\
& \text{‘What did Bao buy?’}
\end{align*}
\]

Adverbials supposedly display the same trait. As illustrated by (9a), the locative argument is picked by the so-called circumstantial voice, hence subject to the headless relative construal:

\[
\begin{align*}
(9) \ a. & \text{ where } \text{ PRT hide.CIRC the child the key } \quad \text{[locative subject with circumstantial voice]} \\
& \text{‘Where did the child hide the key?’} \\
& \text{b. *where } \text{ PRT hide.ACT the child the key } \quad \text{[locative adjunct with active voice]} \\
& \text{‘Where did the child hide the key?’} \\
& \text{c. where } \text{ PRT hide.PASS the child the key } \quad \text{[locative adjunct with passive voice]} \\
& \text{‘Where did the child hide the key?’}
\end{align*}
\]

The curious thing is that a locative adjunct may be the target of pseudocleft construals without a blessing from the voice morphology, as evidenced by (9b-c). The same observation obtains for temporal adjuncts as well. The following restriction can thus be
spelled for Malagasy pseudocleft construals (cf. Potsdam 2006):

(10) *Malagasy extraction restriction*

Only subjects and some adjuncts can be extracted.

By contrast, ordinary relativization in Malagasy is much more restricted, marked by the linker *izay* rather than by the particle *no*, as illustrated in (11a) and (12a):

(11) a. *ny lehilahy izay nividy ny akoho* [AGENT subject with the man REL buy.ACT the chicken active voice]

‘the man who bought the chicken’

b. *ny lehilahy izay novidina ny akoho* [AGENT subject with the man REL buy.PASS the chicken passive voice]

‘the man who the chicken was bought by’

(12) a. *ny akoho izay novidin’ i Bao* [THEME subject with the chicken REL buy.PASS CL Bao passive voice]

‘the chicken that was bought by Bao’

b. *ny akoho izay nividy i Bao* [THEME subject with the chicken REL buy.ACT CL Bao active voice]

‘the chicken that Bao bought’

Here only subjects can be relativized, and there is no exception for adverbials, as evidenced by the ungrammaticality of (11b) and (12b). For adverbials to undergo ordinary relativization, they must raise to subject position first through the choice of voice. For instance, the circumstantial voice picks a locative expression as the subject of the headless relative clause in (13a):

(13) a. *ny toerana izay nianjeran-dRabe* [locative subject with the place REL fall.CIRC-Rabe circumstantial voice]

‘the place where Rabe fell’

b. *ny toerana izay nianjera Rabe* [locative adjunct with the place REL fall.ACT Rabe active voice]

‘the place where Rabe fell’

Once the voice is changed into active, relativization is blocked, and (13b) is ruled out. The same pattern obtains for the temporal expressions in (14) and the reason expressions in (15):
(14) a. ny andro izay nanapahan-dRasoa bozaka [temporal subject with the day REL cut.CIRC-Rasoa grass circumstantial voice] ‘the day Rasoa cut the grass’
b. *ny andro izay nanapaka bozaka Rasoa [temporal adjunct with the day REL cut.ACT grass Rasoa active voice]

(15) a. ny antony izay nandehanan-dRabe [reason subject with the reason REL go.CIRC-Rabe circumstantial voice] ‘the reason Rabe left’
b. *ny antony izay nandeha Rabe [reason adjunct with the reason REL go.ACT Rabe active voice]

Now the question is why Chinese and Malagasy both sport a systematic distinction between pseudocLEFTs and ordinary relative clauses, but differ in the way adverbials contrast with arguments in one construction but not the other. In the next section, we are to locate typological features responsible for the parallel between pseudocLEFTs and ordinary relatives on the one hand, and the discrepancy of their extraction patterns on the other.

3. Two types of headless relatives

By comparing Chinese relativization with its Malagasy counterpart, we found a sharp contrast between them with respect to the extraction patterns of pseudocLEFTs. As noted by Potsdam (2006), headless relatives marked by *no in Malagasy fail to occupy most of the typical NP loci, as shown by the predicate position of (16a), the direct object position of (16b), the prepositional object position of (16c), and the topic position of (16d):

(16) a. *[no mihomehy] Rabe. [predicate] PRT laugh Rabe ‘Rabe is the one who is laughing.’
b. *mahalala [no mihomehy] aho. [direct object] know  PRT laugh 1SG.NOM ‘I know the one who is laughing.’
c. *nipetraka tao ankaikin’[no nihomehy] aho. [object of preposition] sit LOC beside  PRT laugh 1SG.NOM ‘I sat beside the one who was laughing.’
The same observation, by contrast, does not apply to their Chinese counterparts, as illustrated in (17a-d):

\[(17)\]

a. na-ben shu shi [[wo mai] de]. [predicate]
   ‘That book is what I bought.’

b. wo zhi fuze [[wo mai] de]. [direct object]
   ‘I am only responsible for what I bought.’

c. ni ba [[wo mai] de] reng le! [object of preposition]
   ‘You throw away what I bought!’

d. [[wo mai] de] a, wo fuze. [topic]
   ‘As for the stuff I bought, I will be responsible for it.’

This indicates that Chinese headless relatives are quite different from their Malagasy counterparts in pseudoclefts. More specifically, we would like to propose that Chinese headless relative clauses are actually headed by an empty pronominal, as illustrated in the following diagram:

\[(18)\]

\[\text{NP}\]
\[\text{CP} \quad \text{N}\]
\[\text{Op}_k \quad \text{C'} \quad e_k\]
\[\text{IP} \quad \text{C}\]
\[\ldots \quad e_k \quad \ldots \quad de\]

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2 As noted by Potsdam (2006), ordinary relatives marked by *iza* can also be left headless, in which case they pattern with Chinese headless relative clauses in displaying no distribution restriction.
To match the empty head noun above, the operator in the Spec of relative CP must also be a nominal in accordance with the categorial status of its head. As a result, no adverbs are allowed in this configuration, as in (2a-e), and only nominal arguments are subject to pseudocleft construals in Chinese, as in (1a-b).

For one thing, a reviewer noted that a lexical pronoun such as *ta ‘he’ *cannot head a relative clause, as evidenced by the grammaticality of (19):

    Ahua love DE he be Akiu
    ‘(The one) whom Ahua loves is Akiu.’

This behavior is in sharp contrast with the empty pronominal in question. The solution, in our opinion, lies in the fact that full-fledged DPs like proper names or lexical pronouns are not subject to further modification. Therefore, the empty head of a headless relative is more likely to be a pro-form of an NP, akin to the pronominal usage of *one in English. Along this line, it becomes clear that Chinese headless relatives are NPs by default, while their Malagasy counterparts (marked by *no) are full-fledged DPs clinging to the subject position, as is evident from the contrast between (16a-d) and (17a-d).

Our treatment thus provides a plausible account of why adverbial extraction is less restricted in Malagasy pseudoclefts, as we have seen in (9a-c). This is because there is no empty pronoun to match the headless relatives in Malagasy, as we have already seen in diagram (6).

The other factor involved has to do with the “launching site” of operator extraction. In ordinary Austronesian relative constructions, only a subject may undergo extraction, as is already well established in the literature. In Minimalist terms, this means that only the nominative argument picked by the voice morphology is subject to further operator movement through the “escape hatch” of the vP phase, while others would be blocked by the nominative argument in question, which is always closer to the probe/attractor (cf. Chomsky 2000, 2001, Paul 2002, Pearson 2001, among others). This move provides an explanation for the active-passive contrasts of (11a-b) and (12a-b), as well as those circumstantial-active asymmetries throughout (13)-(15).

For Chinese relative constructions, however, there does not seem to be such a

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3 The reason for this “subject addiction” may have to do with the historical development of pseudoclefts in the Austronesian family in general. In Formosan languages, headless relatives are typically marked by a nominative case marker the same way their Malagasy counterparts are marked by *no (see, for instance, *qu in Squilq Atayal in (24) and *na in Tsou in (26)). This suggests that *no may have a nominative origin, which in turn accounts for the subject addiction in a straightforward manner.
“nominative restriction”, as seen in (3a-b) and (4a-e). Ordinary relativization is available for arguments and adjuncts alike. In other words, there is no empty head pronoun for relative operators to match here. Consequently, expressions subject to ordinary relativization do not have to be a nominal.

4. Relativizing temporal adverbials in Squiliq Atayal

The next step is to see if there is any independent evidence for the two strategies to relativize adverbials. First we examine a rather peculiar phenomenon from Squiliq Atayal, an Austronesian language spoken in northern Taiwan. It differs from Malagasy in one important aspect: Locative expressions in Squiliq Atayal cannot undergo either pseudocleft construals or ordinary relativization, as evidenced by the ungrammaticality of (20)-(22).

(20) *inu [qu [m-usa suxan qu-Temu]]? [wh-pseudocleft]
where NOM AV-go tomorrow NOM-Temu
‘Where is (the place) Temu will go tomorrow?’

(21) *Sincik [qu [m-usa suxan qu-Temu]]. [pseudocleft]
Hsinchu NOM AV-go tomorrow NOM-Temu
‘(The place where) Temu will go tomorrow is Hsinchu.’

(22) *[[m-usa suxan qu-Temu] ka slaq]-ga [relativization]
AV-go tomorrow NOM-Temu REL wet.field-TOP
krahu yal.
big very
‘As for the wet field where Temu will go tomorrow, (it) is very big.’

On the other hand, temporal adverbials are subject to both headless and ordinary relativization (cf. Tsai 2004), as shown by (23)-(25):

(23) knwan [qu [m-usa Sincik qu-Temu]]? [wh-pseudocleft]
when NOM AV-go Hsinchu NOM-Temu
‘When is (the time) Temu will go to Hsinchu?’

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4 This difference further suggests that Malagasy locative expressions are merged above the vP phase along with temporal adverbials, while their Atayal counterparts are not.
(24) suxan [qu [m-usa Sincik qu-Temu]]. [pseudocleft]
tomorrow NOM AV-go Hsinchu NOM-Temu
‘(The time when) Temu will go to Hsinchu is tomorrow.’

(25) [[m-usa Sincik Temu] ka riax]-ga byacing-ka-nial [relativization]
    AV-go Hsinchu Temu REL time TOP month-of-coming
    ‘The time Temu will go to Hsinchu is the coming month.’

This unique behavior of temporal expressions is also observed in Seediq and Tsou, as

Now we have a mystery at hand: That is, why do Formosan languages show an
extraction pattern distinct from Malagasy? The answer comes from the strategy based on
the height of extraction mentioned above. That is, temporal expressions in Squliq Atayal,
as a sentential adverbial, are able to merge to a projection beyond the vP phase. As a result,
extraction of temporal adverbials will not violate the Phase Impenetrability Condition

(26) **Phase Impenetrability Condition:**
    In phase α with head H, the domain of H is not accessible to operations
    outside α, only H and its edge are accessible to such operations.

Locative expressions, by contrast, are merged as VP-adverbials; hence the contrast between
(20)-(22) and (23)-(25).

5. Relativizing reason/instrumental adverbials in Tsou

In Tsou, there is yet another piece of evidence for the nominality strategy: On the
one hand, the extraction pattern of pseudoclefts is no different from their counterparts in
Squliq Atayal. On the other hand, Tsou does employ a head-internal strategy toward
pseudoclefting reason/purpose expressions, where an indefinite NP such as kua ‘reason’
plays a crucial role (cf. Tsai & Chang 2003), as illustrated below:

(27) cuma [na [kua te-ta uh ne Tapang u ta Pasuya]]?
    what NOM reason IRR-3S go LOC Tapang NOM Pasuya
    ‘For what reason/purpose will Pasuya go to Tapang?’

Similarly, the indefinite NP hia ‘way’ is instrumental in forming an adjunct pseudocleft,
whether the sentence is in Actor voice (AV) as in (28a), or in Patient voice (PV) as in (28b):
On Relativizing Adverbials

(28) a. m-i-ta m-ainenu [na [hia-ta eobak-o AV-REA-3S AV-how NOM way-3S hit-AV ta Mo’o ’e Pasuya]]?
   OBL Mo’o NOM Pasuya
   ‘How did Pasuya hit Mo’o?’
b. i-ta y-ainenu [na [hia-ta eobak-a NAV.REA-3S PV-how NOM way-3S hit-PV ta Mo’o ’e Pasuya]]?
   OBL Mo’o NOM Pasuya
   ‘How was Pasuya hit by Mo’o?’

As a matter of fact, kua ‘reason’ and hia ‘way/manner’ may not be adjuncts at all in the traditional sense: They pattern with modals and verbs in their ability to host agreement, as already shown above. It is also instructive to note that their usage is not limited to headless relative clauses: As illustrated by the following examples from Tung (1964), kua and hia may serve as adverbial indefinites to instantiate their corresponding quasi-arguments, i.e. Reason and Instrument respectively:

(29) hoci aa te-la meemeesi, te-la kua mcoi.
   if not IRR-HAB sacrifice IRR-HAB reason die
   ‘If we do not sacrifice, that would be the reason we are to die.’

(30) ho la maaseu, oa mo mai to macmo ci la hia when HAB net-fish not REAL like OBL other LNK HAB way eaeosku ho o’te skoeu.
    fishing and not worry.about.danger
   ‘When (one) net-fishes, (it) is not like other ways of fishing, and (one) doesn’t worry about danger.’

As a working hypothesis, one may reasonably assume that kua and hia are predicate nominals, which are indefinite by virtue, and as such they are subject to head-internal

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5 A similar case can also be found in Squiliq Atayal. The following sentence is an interrogative construal of the degree of fatness, where an indefinite kin ‘degree’ is prefixed to the embedded predicate qthuy ‘fat’:

(i) ktwa [qu [kin-qthuy qu Tali]]?
    how NOM degree-fat NOM Tali
   ‘How fat is Tali?’
   Lit.: ‘How is Tali’s fatness?’ or ‘What is the degree of Tali’s being fat?’

Along the line of our analysis, this would mean that the indefinite kin is licensed in the way depicted in (31), constituting a head-internal degree relative in the subject position.
relativization through operator binding along the line of Basilico (1996) and Aldridge (2004). The configuration is sketched in the diagram below:

(31) $\begin{array}{c}
\text{IP} \\
\text{I'} \\
\text{I} \\
\text{PredP} \\
\text{mi-ta} \\
\text{mainenu} \\
\text{na} \\
\text{D} \\
\text{CP} \\
\text{Op_k} \\
\text{C'} \\
\text{C} \\
\text{IP} \\
\text{I'} \\
\text{ta Pasuya} \\
\text{hia-ya eobako ta Mo'o}
\end{array}$

Based upon the above observations, it seems reasonable to suggest that to relativize a reason/purpose adverbial in Tsou is to relativize a nominal predicate, forming a head-internal relative as a result. On the other hand, to relativize a temporal adverbial in Squilq Atayal is to extract an adjunct merged to a vP-external position which cannot be blocked by a nominative argument.

6. Concluding remarks

To conclude our discussion, we compare adverbial relativization in the four languages in question, as summarized in the following cross-linguistic synopsis:

a. Chinese-type languages
   Ordinary Relativization: typical null operator construals
   Pseudoclefs: headless relatives headed by an empty pronominal, allowing no adverbial construals
b. Malagasy-type languages
   Ordinary Relativization: observing the subject restriction on null operator construals
   Pseudoclefs: headless relatives headed by a lexical determiner no, allowing temporal and locative adverbial construals
c. *Atayal-type languages*

- Ordinary Relativization: observing the subject restriction on null operator construals
- Pseudoclefts: headless relatives headed by a nominative case marker *qu*, allowing only temporal adverbial construals

d. *Tsou-type languages*

- Ordinary Relativization: observing the subject restriction on null operator construals
- Pseudoclefts: 1) headless relatives headed by a nominative case marker *na*, allowing only temporal adverbial construals
  2) head-internal relatives headed by a predicate nominal such as *kua* ‘reason’ or *hia* ‘way/manner’

Here we can see that both nominality and structural height play a central role in shaping the restrictions on relativizing adverbials. Although our analysis is far from conclusive, it does serve as a working hypothesis for spelling out the internal mechanism behind both pseudocleffting and ordinary relativization across languages.
References


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論狀語的關係化

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本文主旨於討論狀語的關係化大致上可分為兩種策略：其一是利用移位起跳的高度；如果狀語合併 (merge) 的位置在 vP 階段 (phase)，那麼其移位就不會受到主語論元的干擾。第二項策略則和參與關係化詞項的名詞性有關：在某些特定結構中，運符 (operator) 或變項 (variable) 必須為名詞，才能成就修飾語和中心語的依存關係。此外，本文也主張漢語無頭關係句的中心語為一低階的空代詞 (亦即只能取代 NP，而不能取代 DP)；南島語中的相對結構則以主格標記為中心語，合成完整的 DP 結構。這項提議和上述兩項策略相結合，則可為漢語、南島語中準分裂句和關係句的分歧現象提供全面性的解釋。

關鍵詞：關係化，狀語，準分裂句，無頭關係句，中心語內建關係句