

Time and Space IV

Pavel Caha

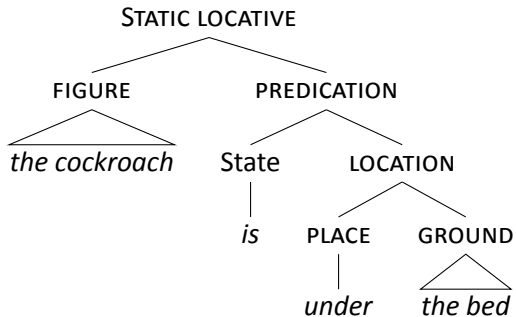
March 20, 2023

What we know so far

The morphological expression of Path

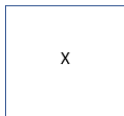
Verbs of motion

(1)



Paths and locations

in the box



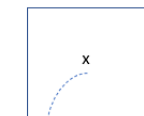
IN-ESSIVE

into the box



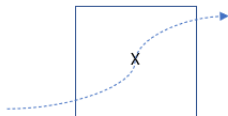
I(N)-LATIVE

out of the box



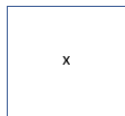
E(X)-LATIVE

through the box



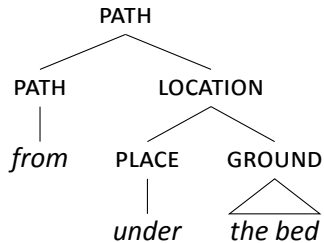
PRO-LATIVE

towards the inside of the box



VERSATIVE

(2)



(3)

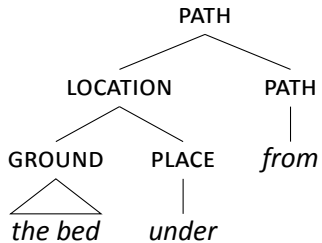
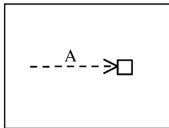


Table 3. Tsez local case forms: non-distal.

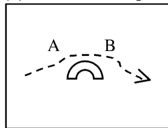
		Case			
		essive	allative	ablative	versative (‘towards’)
Spatial orientation	‘in’	-ā	-ā-r	-āy	-āyor
	‘among’	-l̄	-l̄-er	-l̄-āy	-l̄-xor
	‘on (horizontal)’	-l̄(o)	-l̄'o-r	-l̄'-āy	-l̄'-āyor, -l̄'-ār
	‘under’	-l̄	-l̄-er	-l̄-āy	-l̄-xor
	‘at’	-x(o)	-xo-r	-x-āy	-x-āyor, -x-ār
	‘near’	-de	-de-r	-d-āy	-d-āyor, -d-ār
	‘on (vertical)’	-q(o)	-qo-r	-q-āy	-q-āyor, -q-ār

directed motion

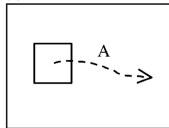
(a) to the house



(b) over the bridge

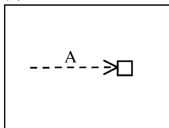


(c) out of the room

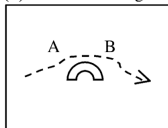


directed motion

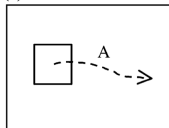
(a) to the house



(b) over the bridge



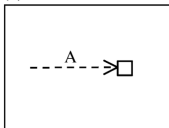
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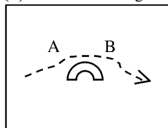
- (4) a. Petr **šel** až k domu
Petr went up to house
'Petr went up to the house'

directed motion

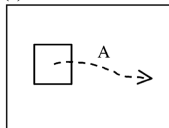
(a) to the house



(b) over the bridge



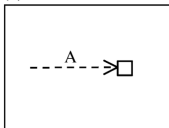
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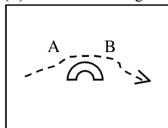
- (4) a. Petr **šel** až k domu
Petr went up to house
'Petr went up to the house'
- b. Petr **šel** přes most
Petr went over bridge
'Petr went over the bridge'

directed motion

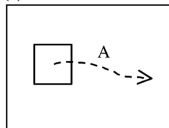
(a) to the house



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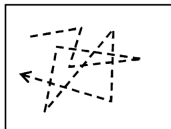
(c) out of the room



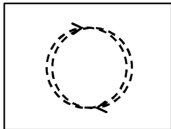
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- a. Petr **šel** až k domu
Petr went up to house
'Petr went up to the house'
 - b. Petr **šel** přes most
Petr went over bridge
'Petr went over the bridge'
 - c. Petr **šel** ven
Petr went out
'Petr went out.'

non-directed

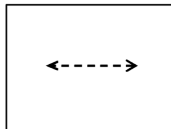
(14) (a) path crossing



(b) path overlapping



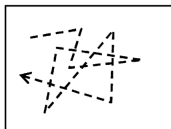
(c) path backing up



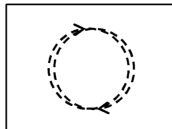
- (5) a. Petr **chodil** po domě
Petr went in house
'Petr walked around in the house'

non-directed

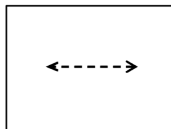
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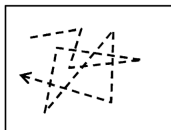
(c) path backing up



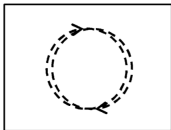
- (5) a. Petr **chodil** po domě
Petr went in house
'Petr walked around in the house'
- b. Petr **chodil** okolo domu
Petr went around house
'Petr was going around the house'

non-directed

(14) (a) path crossing



(b) path overlapping



(c) path backing up



- (5)
- a. Petr **chodil** po domě
Petr went in house
'Petr walked around in the house'
 - b. Petr **chodil** okolo domu
Petr went around house
'Petr was going around the house'
 - c. Petr **chodil** tam a zpátky
Petr walked there and back
'Petr was going back and forth.'

What we know so far

The morphological expression of Path

Verbs of motion

Fusional/portmanteau marking

- (6) plural
 - a. laptop — laptop-s, ...

Fusional/portmanteau marking

- (6) plural
 - a. laptop — laptop-s, ...
 - b. man — men

Fusional/portmanteau marking

- (6) plural
 - a. laptop — laptop-s, ...
 - b. man — men

- (7) comparatives
 - a. cool — cool-er, ...

Fusional/portmanteau marking

(6) plural

a. laptop — laptop-s, ...

b. man — men

(7) comparatives

a. cool — cool-er, ...

b. bad — worse (= bad-er)

Fusional/portmanteau marking

(6) plural

- a. laptop — laptop-s, ...
- b. man — men

(7) comparatives

- a. cool — cool-er, ...
- b. bad — worse (= bad-er)
- c. good — bett(-)er

Fusional/portmanteau marking

(6) plural

- a. laptop — laptop-s, ...
- b. man — men

(7) comparatives

- a. cool — cool-er, ...
- b. bad — worse (= bad-er)
- c. good — bett(-)er
(to bett-er something, to cool-er something)

Fusional/portmanteau marking

(6) plural

- a. laptop — laptop-s, ...
- b. man — men

(7) comparatives

- a. cool — cool-er, ...
- b. bad — worse (= bad-er)
- c. good — bett(-)er
(to bett-er something, to cool-er something)

(8) past tense

- a. walk — walk-ed

Fusional/portmanteau marking

(6) plural

- a. laptop — laptop-s, ...
- b. man — men

(7) comparatives

- a. cool — cool-er, ...
- b. bad — worse (= bad-er)
- c. good — bett(-)er
(to bett-er something, to cool-er something)

(8) past tense

- a. walk — walk-ed
- b. come — came

Fusional/portmanteau marking

(6) plural

- a. laptop — laptop-s, ...
- b. man — men

(7) comparatives

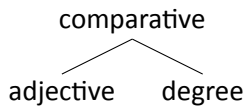
- a. cool — cool-er, ...
- b. bad — worse (= bad-er)
- c. good — bett(-)er
(to bett-er something, to cool-er something)

(8) past tense

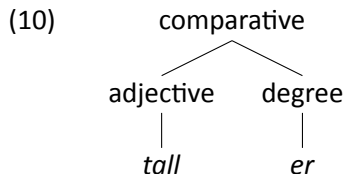
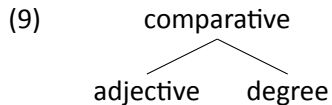
- a. walk — walk-ed
- b. come — came
- c. keep — kep(-)t

realizational approaches to morphology

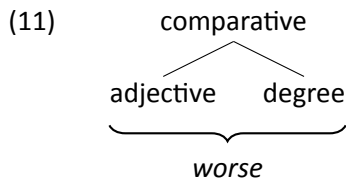
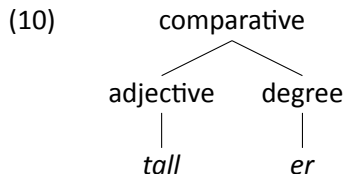
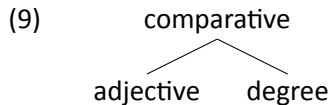
(9)



realizational approaches to morphology



realizational approaches to morphology



sg (děl-a-t = make)

- 1 děl-á-m
- 2 děl-á-š
- 3 děl-á

sg (děl-a-t = make)

1 děl-á-**m**

2 děl-á-**š**

3 děl-á

sg (pros-i-t = ask)

1 pros-í-**m**

2 pros-í-**š**

3 pros-í

sg (děl-a-t = make)

1 děl-á-m

2 děl-á-š

3 děl-á

sg (pros-i-t = ask)

1 pros-í-m

2 pros-í-š

3 pros-í

sg (nés-t = carry)

1 ??

2 nes-e-š

3 nes-e

sg (děl-a-t = make)

- 1 děl-á-m
 - 2 děl-á-š
 - 3 děl-á
-

sg (pros-i-t = ask)

- 1 pros-í-m
 - 2 pros-í-š
 - 3 pros-í
-

sg (nés-t = carry)

- 1 nes-e-m
- 2 nes-e-š
- 3 nes-e

sg (děl-a-t = make)

- 1 děl-á-m
 - 2 děl-á-š
 - 3 děl-á
-

sg (pros-i-t = ask)

- 1 pros-í-m
 - 2 pros-í-š
 - 3 pros-í
-

sg (nés-t = carry)

- 1 nes-e-m
 - 2 nes-e-š
 - 3 nes-e
-

sg (nés-t = carry)

- 1 nes- u (u = tense + 1st person)
- 2 nes-e-š
- 3 nes-e

(12) (Turkish)

- a. Kitap masa-da.
Book table-loc
'A/the book is on the table.

(12) (Turkish)

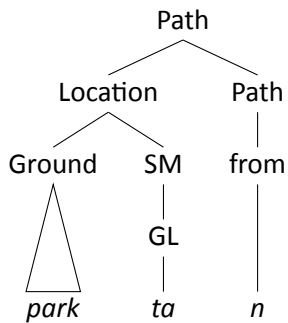
- a. Kitap masa-da.
Book table-loc
'A/the book is on the table.'
- b. kitap-ta
book-loc
'in the book'

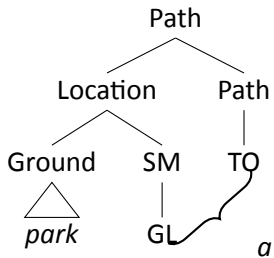
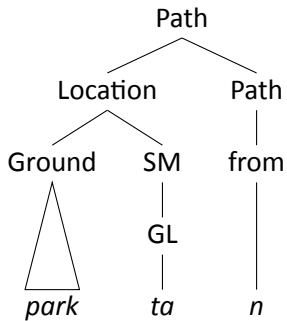
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'in the book'
- c. o.adam park-**tan** kostu.
he park-from ran
'He ran from the park.'

(12) (Turkish)

- a. Kitap masa-da.
Book table-loc
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book-loc
'in the book'
- c. o.adam park-**tan** kostu.
he park-from ran
'He ran from the park.'
- d. ben park-a kostum.
I park-to ran
'I ran to the park.'





back to space

(13) Czech AT - TO - FROM - VIA

back to space

(13) Czech AT - TO - FROM - VIA

a. v

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z — skrz

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z — skrz

b. u

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z — skrz

b. u — k

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z — skrz

b. u — k — od

back to space

(13) Czech AT - TO - FROM - VIA

a. v — do — z — skrz

b. u — k — od — ?kolem

back to space

(13) Czech AT - TO - FROM - VIA

- a. v — do — z — skrz
- b. u — k — od — ?kolem
- c. na

back to space

(13) Czech AT - TO - FROM - VIA

- a. v — do — z — skrz
- b. u — k — od — ?kolem
- c. na — na

back to space

(13) Czech AT - TO - FROM - VIA

- a. v — do — z — skrz
- b. u — k — od — ?kolem
- c. na — na — s

back to space

(13) Czech AT - TO - FROM - VIA

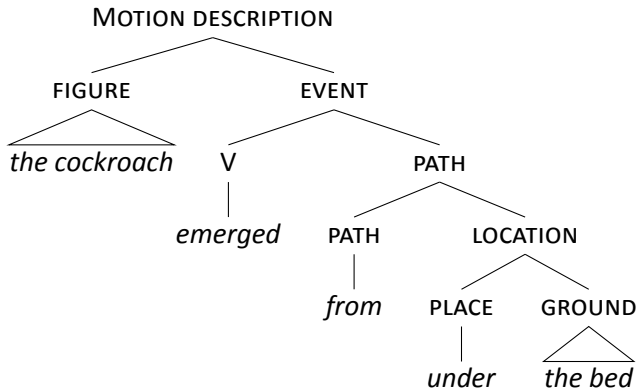
- a. v — do — z — skrz
- b. u — k — od — ?kolem
- c. na — na — s — přes

What we know so far

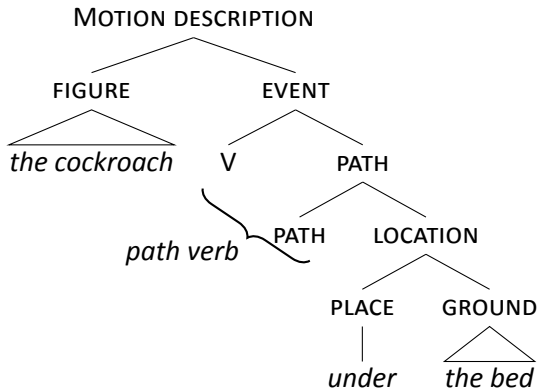
The morphological expression of Path

Verbs of motion

(14)



(15)



Verb-framed vs. satellite framed languages

(16) Spanish

- a. Juan { ??corrió/ *anduvó/* gateó } a la tienda.
Juan ran/ walked/ crawled LOC the store
'John ran/walked/crawled to the store'

Verb-framed vs. satellite framed languages

(16) Spanish

- a. Juan { ??corrió/ *anduvó/* gateó } a la tienda.
Juan ran/ walked/ crawled LOC the store
'John ran/walked/crawled to the store'
- b. La botella entró a la cueva (flotando).
the bottle moved.in LOC the cave floating
'The bottle floated into the cave'
(Lit. 'The bottle went into the cave floating')

Verb-framed vs. satellite framed languages

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- a. Juan { ??corrió/ *anduvó/* gateó } a la tienda.
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(17) Czech

- a. Petr { se plazil/ belhal } do obchodu
Petr crawled limped into store
'Petr crawled/limped to the store.'

Verb-framed vs. satellite framed languages

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Path verbs

(18) Path verbs in English

a. He jumped in the lake (directional)

Path verbs

- (18) Path verbs in English
- a. He jumped in the lake (directional)
 - b. He swam in the lake (only locative)

Path verbs

(18) Path verbs in English

- a. He jumped in the lake (directional)
- b. He swam in the lake (only locative)

(19) Path verbs in Czech

- a. Dej ten kabát vedle bundy
put the coat next to jacket (directional)

Path verbs

(18) Path verbs in English

- a. He jumped in the lake (directional)
- b. He swam in the lake (only locative)

(19) Path verbs in Czech

- a. Dej ten kabát vedle bundy
put the coat next to jacket (directional)
- b. Kabát visí vedle bundy
coat is hanging next to jacket (locative)

Path verbs

(18) Path verbs in English

- a. He jumped in the lake (directional)
- b. He swam in the lake (only locative)

(19) Path verbs in Czech

- a. Dej ten kabát vedle bundy
put the coat next to jacket (directional)
- b. Kabát visí vedle bundy
coat is hanging next to jacket (locative)

- ▶ The point: motion can be coded in the spatial marker or in the verb.