UNIVERSITY OF TROMSØ UIT



1. Topological vs. Euclidean semantics

- Topological ≈ magnitude neutral
- Euclidean ≈ magnitude sensitive
- English across (Talmy 2000:224)
 - The bus drove across the country.
 - The ant crawled across my palm.
 - Topological: not sensitive to magnitude









L. Talmy

NB! Talmy
describes a
tendency, which
does not exclude
exceptions

The meaning of grammatical elements "generally has a topological rather than a Euclidean character" (Talmy 2000:25)

2. Modern Russian: a peculiar rule

- Kogda èto slučilos'? 'When did it happen?'
 - Vètom godu_{LOC} 'in this year_{LOC}'
 - Vètu minutu_{ACC} 'in this minute_{ACC}'
 - V naše vremja_{ACC} 'in our time_{ACC}'

EXCEPTION:

"longer than a week" = magnitude sensitive (Euclidean)

- Rules:
 - Bounded time spans longer than a week) → v + LOC
 - Elsewhere → v + ACC
- Questions:
 - How did such a peculiar rule develop historically?
 - Why time, but not space?
- Answers:
 - "Unusual occurrence of quite usual processes" (Harris 2008: 76)
 - Location/movement less relevant in time than in space.



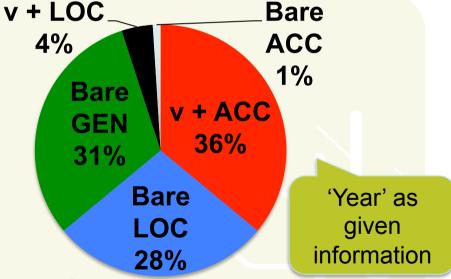
A. G. Harris

3. Old Russian constructions

- Data from Hypatian Chronicle
- New information (year not mentioned earlier)
 - V + acc: v lěto_{ACC} 6492



- Given information (year mentioned earlier)
 - Major constructions: v + Loc_
 - V + acc: V se že lěto_{ACC}
 - Bare loc: Tom že lětě_{LOC}
 - Bare gen: Togo že lěta_{GEN}
 - Marginal constructions:
 - V + loc: V tom že lětě_{LOC}
 - Bare acc: Se že lěto_{ACC}



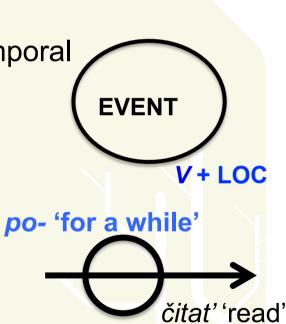
Month: Only bare genitive attested

V + locative:

Central in modern Russian, marginal in Old Russian.

4. Middle Russian: Syntax and semantics

- Syntax: synthetic → analytic
 - PP ousts NP in adverbials
 - Bare genitive and bare locative lose ground
- Semantics: conceptualization of time
 - Emergence of location in metaphorical temporal "container"
 - V + Loc = stative location
 - Emergence of atelic perfective verbs
 - Telic perfectives = natural culmination
 - Pročitať knigu 'read the whole book'
 - Atelic perfectives = NO culmination
 - Počitať 'read for a while'



Atelic perfectives (e.g. po-) and V + Loc are similar:

- Conceptualization: Event located in metaphorical container
- Emerge at the same time: Middle Russian

5. Middle Russian: Lexicon

V + acc

V + loc

- Sekunda 'second'
- Minuta 'minute'
- Utro 'morning'
- Den' 'day'
- Nedelja 'week' Na 'on' + loc
- Mesjac 'month'
- God 'year'
- Stoletie 'century'

- Why did **v** + loc prefer long time spans?
 - They are better "containers"
- Why did v + loc's expansion stop at nedelja 'week'?
 - Holidays take na 'on'
 - Old Russian: nedelja = Sunday
 - Middle Russian:
 - Nedelja: Sunday → week
 - Metonymy: part → whole
 - Keeps na + loc

Mo Tu We Th Fr Sa Su

Result of metonymic shift:

Nedelja 'week' becomes a natural "buffer zone" that stops v + loc's expansion.

6. The Middle Russian "Conspiracy"

A. Syntax:

Synthetic → analytic (NP → PP)

B. Semantics:

Emergence of location in metaphorical temporal container

- V + loc
- Atelic perfectives

C. Lexicon:

Metonymy – nedelja: Sunday → week

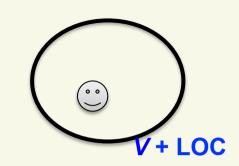


- Three factors "conspire" to create the Euclidean v + loc rule.
- "Unusual occurrence of quite usual processes" (Harris 2008:
 76) creates typologically atypical rules.

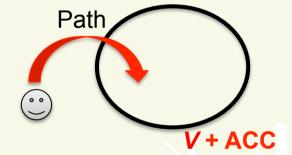
7. Why time, not space?

- Space:
- Location inside container → v + LOC
 - V karmane 'in the pocket'
- Movement into container → v + ACC
 - V karman 'into the pocket'

	Space:	Time:
v + LOC	Location	Long time span
v + ACC	Movement	Short time span







- Time:
- Metaphor: not all structure transfers from space to time
- Location/movement less relevant than in space
- Loc/acc freed up to capture long/short distinction

Space-time asymmetry: Time ≠ mirror image of space

8. Wrapping up

 Closed class items tend to have topological (magnitude neutral) semantics

NERGEN AND TROMP

- 2. Russian temporal adverbials offer an exception:
 - V + Loc for time spans longer than a week
- 3. Developed diachronically through conspiracy of independent factors in Middle Russian:
 - Syntax: Synthetic → analytic
 - Semantics: Location in metaphorical temporal container
 - Lexicon: Nedelja from 'Sunday' to 'week'

4. Time:

- Movement is less relevant in time than in space
- Acc/Loc freed up to mark short/long time spans