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Outline of Talk

- 1 Slavic prefixes some facts and puzzles
- 2 Theoretical Assumptions
- 3 The syntactic domain of Content
- 4 On the inut to Content matching
- 5 The syntactic domain of Content: apparent counterexamples
- 6 Pluralia Tantum a case study
- 7 Back to Slavic perfective prefixes
- 8 Content across a functional bracket?

Appendix: Against P movement for prefixes

1 Slavic Prefixes, Preliminaries

1.1 The facts

- 1. a. $V \rightarrow imperfective$
 - b. PREFIX + $V \rightarrow perfective$
 - c. $V + SEMELFACTIVE \rightarrow perfective$
 - d. Prefix + V + S-IMPERFECTIVE/HAB \rightarrow imperfective
 - e. Prefix [Prefix + V + S-IMPERFECTIVE/HAB]] \rightarrow perfective
- 2. (Almost) all prefixes are telic/resultative
 But also, a good number of prefixes can participate in the emergence of non-compositional Content¹

1.2. The Lexical vs. superlexical distinction (Babko-Malaya, 1999; Svenonius, 2005)

- 3. 'Lexical': telic (resultative); change Content; occur internal to non-eventive (root) nouns, can be embedded under imperfective marking (1d)

 'Superlexical': Compositional, exclude the pattern in (1d) (with the exception of Bulgarian)
- 4. Lexical prefixes are low and correlate with an event-related PP; Superlexical are higher and adverbial (Svenonius, 2005 and subsequent work).

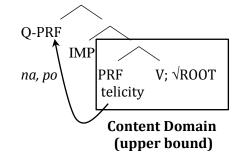
1.3. Slightly different typology, relative to behavior, not tokens:

	T-1	T-2	T-3	T-4 (in Russian, Polish and Czech at most 2-3 (<i>na, po</i> -DIST; <i>po-ATTN</i>). Possibly up to 9 in Bulgarian)
Telic	yes	yes	yes	yes (except Po-DIST); Quantificational
Content co-extensive with V	no	no	yes	(co-extensive with PRF-V)
Compositional	no	yes	yes	yes
primary imperfective	no	no	yes	n/a
secondary imperfective	yes	yes	no (except Bulgarian)	n/a
merge with secondary imperfective (stacked)	no	no	no	yes
occurs in eventive derivatives	yes	yes	yes	no
occurs in root nouns	yes	yes	no	no

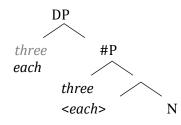
¹ *Content,* and not *Meaning* to distinguish it from facets of interpretation that emerges through the mediation of formal semantics.

6. Zero perfectives pattern with type $1 \rightarrow$ zero perfective affix (on a par with *sheep, fish, put*)

7.



8.



- 9. a. F must raise(each) \rightarrow strong determiners (must value both # and D)
 - b. F may raise (*three*) \rightarrow weak determiners (ambiguous, must value #, need not value D); another valuer is needed for D (typically \exists)
 - c. F may not raise (must value #; cannot value D. Appears unattested in English) (Note that Fusion or Spanning executions are possible as well)

1.4 Evidence for <u>na</u>-raising -

- 10. a. *na* binding the DP but not the event when adjacent to V:
 - b. <u>na</u> binding the DP but not the event when stacked
 - c. <u>na</u> binding the event, but only in the presence of <u>sie</u> (Filip, 2000, Pereltzweig 2006, Romanova 2006, Lazorczyk 2010)
- 11. a. <u>na</u>-kupiłam *flamastry/flamastrów.

na-bought markers.ACC/markers.GEN

'I bought a lot of markers.'

#'I did a lot of marker buying.'

b. na-łuskałam *orzecha / orzechów.

na-shelled nut.GEN / nuts.GEN

'I have shelled a good quantity of nuts.'

12. a. student <u>na-roz-wieszał</u> *ogłoszenia / ogłoszeń.

student <u>na</u>-out/around-hang notices.ACC / notices.GEN

'A/the student posted a lot of/a number of notices in the hallway.'

#'A/the student did a lot of posting of notices in the hallway.'

b. <u>na</u>-za-praszałam *ważnego gościa / ważnych gości.

<u>na</u>-invited important guest.GEN / important guests.GEN

'I invited a lot of important guests.'

13. a. <u>na</u>-pociłam <u>się</u> (sporo) przy tym. <u>na</u>-sweated REFL.ACC much at this

'It took quite an effort to do this.' (lit. 'I sweated quite a lot at this.')

b. <u>na</u>-śmiałam <u>się</u> dziś (jak nigdy).

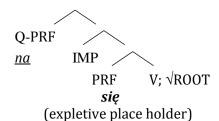
na-laughed. REFL.ACC today as never

'I laughed today a lot/enough (like never before).'

c. <u>na</u>- męczyłam <u>się</u> (sporo) przy tym. <u>na</u>-tired REFL.ACC much at this

'I went through a lot of trouble with this.'

14.



Following Lazorczyk (2010)

- 15. Non-raising <u>na</u> (types I-II)
 - a. <u>na</u>-pisałam książkę.

PREF-wrote book.sg.ACC

'I wrote a book.'

b. <u>na</u>-łożyłam ci obiad na talerz.

on-put. you.DAT dinner.sg.ACC on plate

'I put dinner on the plate for you.'

2 Theoretical Assumptions

- 16. Language variation is contingent on the *properties of functors* (Borer, 1984; sometimes called the Borer-Chomsky Conjecture)
- 17. Functors spell out transitive functions with a *rigid designation*, by which we mean that their function, whether syntactic and semantic, has a constant felicity value in all possible worlds (see Gajewski 2010).
- 18. <u>S-functors</u>²: underlie canonical functional structure THE, WILL, PST, EVERY, THREE, VERY, and the structural nodes that correspond to them (e.g. D, T, #, DEG and so on)
- 19. <u>C-functors</u>: a syntactic function that projects a category and defines its complement space as another category (e.g. C_{N[V]} is a function that projects N and defines its complement space as V, and which, in English, may be realized (at the very least) as *-ation -ation*, *-ment*, *-er*, *-ing* etc. and with e.g. *-er* also representing an additional an additional semantic function, ER_{N[V]}

2.1 Some Differences between S-functors and C-functors

- 20. a. S-functors enter (non-trivial) Extended Projections, Categorizers do not.
 - b. (Informally) S-functors select categories (potentially instantiated by a categorizer); C-functors do not select S-functors
 - c. Categorial values are never satisfied non-locally (e.g. by discourse antecedents or through Spec-head relations, see (23)-(26))
- 21. The output of S-functor merger is compositional; the output of C-functor merger need not be.
- 22. a. C-functors:: Function doesn't predict Form; Form *does* predict Function:

[V]N-affix may be ation, ment, ance/ence, al; but e.g. $/_{\pi}ation/$ always has an N instantiation (although not necessarily exclusively); V-affix may be ize, -ate, -ify, -en, but $/_{\pi}ize/$ always has a V instantiation

b. S-functor-«e» pairs: Function doesn't predict Form; Form *does not* predict Function:

PL may be -s, -en, -i (foci) as well as multiple root allomorphs; $/_{\pi}s$ / may be plural, third person singular, genitive marker. Differently put, syncretism, fusion, etc. are essentially unattested in derivational morphology

- 23. a. During the summer, water in the pond mostly evaporates (salient: *most water* evaporates)
 - b. Water in the pond is mostly lost through evaporation. (salient: *most events* of loss are through evaporation; most water not necessarily lost)
- 24. Most water in the pond mostly evaporates (licit, but *not* a possible reading of (23a-b)

26. a. the dog's ear

b. a dog's ear

² In Borer (2005, 2013) I argue that S-functors are semantic adjunct which value empty heads. This issue is set aside here for presentational reasons.. See reference for a detailed theoretical rationale.

27.
$$[_{D-1}[_{D-2}]$$
 THE/A $[(dog's)]] \ll e \gg_D [(ear)]]$

28. **S-functors:** fundamentally a *syntactic realization* of a *semantic function*: syntactically and semantically stable (including Content); phonologically erratic.

C-functors: fundamentally *a syntactic function* with a *phonological realization*: syntactically and phonologically stable; Content-wise erratic (formal semantic status variable.)

2.2 Extended Projections

- 29. (Informally)
 - a. $F^{C1}+F^{C1}+F^{C1}+F^{C1}+F^{C1}+C1(+C2+C3)$ \leftarrow An Extended Projection vs.
 - b. $C1+(C2+C3+)F^{C1}+F^{C1}+F^{C1}$ (something else)
- 30. Extended Projection_{Def}:
 - a. For all $X, X \in \{Ex[W]\}\$, X must dominate a W-equivalent C-core
 - b. The hierarchy of ExP-segment labeling within any extended projection (type) is universally specified
 - c. Subject to (a,b), every ExP segment is optional, but its presence/absence has interpretational consequences.
- 31. a. $\varnothing \to X$, $X \in \{Ex[N]]\}$ / [_____ { $Ex[N]]\}$; $\varnothing \to D$ / [_____ { $Ex[N]\}$; $\varnothing \to Q$ / [_____ { $Ex[N]\}$; $\varnothing \to CL$ / [_____ { $Ex[N]\}$ }
 - b. {Ex[N]}: {D, Q, #, CL}, order universally fixed
- 32. ExP segments as self-selecting set (pace the lowest member, a matter to which I return)

2.3 A brief note on roots and categories - locality

- 33. A. Fact: English past tense and plural marking are *always* regular for derived forms. All irregular cases of past marking and plural marking are root-adjacent.
 - B. Claim: 'irregular' realizations are stored with roots and can only be instantiated locally. All non-root adjacent contexts revert to default (see also Embick, 2003, 2010).
- 34. a. $\lceil \sqrt{\text{SOLID}} \rceil$ IFY \rceil PST \rightarrow solidified
 - b. $[\sqrt{FORM}]$ ATION] PL \rightarrow formations
- 35. a. $\lceil \sqrt{SING} \rceil PST \rightarrow sang$
 - b. $[\sqrt{GOOSE}]$ PL \rightarrow geese
- 36. Locality lost:3

 $[[\sqrt{SING}] v] PST$

[[\sqrt{GOOSE}] n] PL

37. Alternative – contextual categorization:

Extended Projections: $C \rightarrow = X$ in the context of $[Y \in \{Ex[X] \mid [X \mid X] \mid X] \in \{Ex[X] \mid X] \in \{Ex$

38. $[=_{V}\sqrt{\text{SING}}] \text{ PST}$ $[=_{N}\sqrt{\text{GOOSE}}] \text{ PL}$

³ The paradigm presents a problem for DM, as noted in Embick, 2003, 2010, who proposes to solve it by assuming that zero-realized affixes are structurally transparent in the relevant context. For multiple arguments against zero instantiations of C-functors in English see Borer, 2013

3 The Syntactic Domain of Content

3.1 Delimiting Content by ExP-segments

- 39. Words (=non-functors) don't actually need to have Content, although they do need to have phonology (and does anything actually follow from that)?
- 40. a. `Twas brillig, and the slithy toves Did gyre and gimble in the wabe
- b. `Twas and the (-y) (-s)
 Did and in the:
- c. 'joga brillig, dan gox slitho tove bib gyre dan gimble ni gox wabe
- d. bright and will in sing doves the

Džabbersmok

http://www76.pair.com/keithlim/jabberwockv/translations

Maciej Słomczyński

Było smaszno, a jaszmije smukwijne S'widrokre, tnie na zegwniku weżały, Peliczaple stały smutcholijne I zbła, kinie rykos'wista, kały.

41.		CONTENT		DERIVED CONTENT	Underived Content
	slith	no	slithy swarthy	N/A N/A	no
	swarth blood	no yes	bloody	n/A yes	yes yes
	dirt	ves	dirty	ves	no

- 42. the slith/slithy; three slithies; every swarth etc....
- 43. edit-or-y-al-ize
 natur-al-ize
 civil-ize-ation
 except-ion-al (and compare with special).....

44.		$[_{(=V)} \sqrt{\text{EDIT}}]$	\rightarrow ±Content;	If [-Content] then ii
	ii	$[N[=V\sqrt{EDIT}]+or]$	→ ±Content;	If [-Content] then iii
		$[N/A[N[=V\sqrt{EDIT}]+or]+y]$	→ ±Content;	If [-Content] then iv
		[N/A[N[=V]]+or]+y]+al]	\rightarrow ±Content;	If [-Content] then v
	V	$[v[N/A][N] = v \sqrt{EDIT} + or] + y] + al] + ize]$	\rightarrow ±Content	
45.	i	$[_{(=N)}\sqrt{\text{CIV}}]$	\rightarrow ±Content;	If [-Content] then ii
		$[A[=V\sqrt{CIV}]+iI]$	→ ±Content;	If [-Content] then iii
	iii	$[_{V}[_{A}[_{=V}\sqrt{CIV}]+il]+ize]$	→ ±Content;	If [-Content] then iv
	iv	[N[V[A]=V] +il]+ize]+ation]	→ ±Content	

46. ExP-segment boundaries are absolute barriers to Content compositionality

4 On the input to Content matching

4.1 Contentful C-functors

47. -ist: $C_{N[N]}$ IST

a. cellist, artist

b. animist; atavist

c. existentialist; communist CELL(O)+IST=CELLIST; ART+IST=ARTIST /anim/-IST; /atav/-IST $EXISTENTIAL+IST\neq EXISTENTIALIST;$ $COMMUNE+IST\neq COMMUNIST$

48. -able: C_{A[V]} ABLE

a. drinkable; deliverable DRINK+ABLE=DRINKABLE; DELIVER+ABLE=DELIVERABLE

b. arable, capable, impeccable /arab/-ABLE; /cap/-ABLE

c. palatable; suggestible $PALAT+ABLE \neq PALATABLE$; $SUGGEST+IBLE \neq SUGGESTIBLE$

49. And compare with:

liquidize; liquefy; liquidate $C_{V[N]}$: /-ize, -ify, -ate/ transmission; transmittal; transmittance $C_{N[V]}$: /-(a)tion; -al, -anc/

4.2 The role of phonology

50. a. the selective transmission of historical documents

b. scanning and *transmittal* of documents or parts of documents

c. a camera system for processing documents for measurement of reflectance and/or *transmittance* of documents

51. a. Several groups ... monitor the sale and transportation of seed

b. The *transportal* of seeds in the wool or fur of quadrupeds.

52. a. the slight *transference* of red pigments from the skins

b. *transferal* of bread "sponge" from dough mixer to trough prior to fermentation

53. a. the car's $\underline{transmission} \rightarrow GEARBOX$

transmittal transmittance

b. public <u>transportation</u> SHARED PASSENGER SERVICE (North American English only)

public <u>transport</u> (British English only)

transportal

c. mass <u>transit</u> " (North American English only)

transition

d. "Understanding <u>tránsference</u> and counter <u>tránsference</u>" TRANSFERENCE

*Understanding transferal and counter transferal

5. Domain of Content - apparent counterexamples

54. **Diminutives**

a. eten-tje b. cas-ino house.DIM

'dinner' Dutch 'brothel' Italian

c. *stoł-ek* d. *almofad-inha* table.DIM pillow.DIM

'chair' Polish 'spoiled person' Brazilian Portugese

(De Belder, Faust and Lampitelli, to appear), (Armelin, 2013),

55. Pluralia tantum; dualia tantum

a. glass-es, brief-s, trouser-s, scissor-s

b. *šamayim, ofan-ayim, mispar.ayim* Hebrew

???.DU wheel.DU number.DU 'sky' 'bicycle' 'scissors'

56. Classifiers:

tienwoe ki; tienwoe tung Cantonese

telephone long telephone through 'telephone wire' 'telephone call'

'telephone' (instrument)

57. Slavic perfective prefixes

Polish

58. a. [D [# ['PL' [=N glass]]]]
b. [D [# ['DIM' [=N eten]]]]
c. [T [[IMP [PERF [=V czytała]]]]
$$od, roz, w$$

6 Pluralia tantum - a case study

- 59. a. scissors trousers feces
 - b. clothes glasses
 - c. briefs rapids
- 60. a. Conceptually number neutral
 - b. Grammatically COUNT and agree as such
 - c. Content
 - i. vacuously compositional;
 - ii. or non-compositional
 - d. Never give rise to 'coercion' effects

6.1. Type 1: vacuously compositional

- 61. a. [N[N/Atrouser]] leg];
 - b. [N[N/A scissor]] edge; preschool [N[N/A scissor]] skills [N[N/A scissor]] lifts
 - c. Mean dry [N][N/A] production values] were statistically different in both studies (G)
- 62. a. *trousering* the profits (London Review of Books, 9/22/11).
 - b. How to scissor the top knot of a poodle (G):
 - c. I have to *fece*, dude (G, Urban Dictionary)

6.2. Type 2 - non-compositional

- 63. #I used different types of clothes in stitching these curtains
 - #I used different types of glasses to design this windowa. *glass frame glasses frame *?eyeglass frame eyeglasses frame
 - b. *brief design briefs design *?boxer-brief design boxer-briefs design
- 64. *glassing my eyes; *rapiding the boat; *briefing the children (with the relevant Content)
- 65. a. many/three scissors/briefs/rapids/glasses/jeans/bell bottoms
 - b. *that's way too much scissors/briefs/rapids/glasses/bell bottoms for me to handle
 - c. the scissors/briefs/rapids/glasses/bell bottoms are/*is here... and I don't like them/*it
- 66. a. many/three knives/bras/waterfalls/hearing aids
 - b. that's way too much *knife/bra/waterfall/hearing aid* for me to handle
- 67. a. the *news* is good and it can be heard on NBC tonight
 - b. *much* news; **many* news
- 68. a. (*much) brains are/*is fun (if they/*it don't/*doesn't stagnate, that is)
 - b. he has too much brains for his own good and (*it/*they are clearly in a process of stagnation)
 - c. *he has too many brains for his own good
- 69. How much chopped nuts did we sell yesterday? Wechsler (2008), Kiss (2011)
- 70. a. How much potatoes did you have for lunch?
 - b. How much green beans did you put into the salad?

- 71. Too much chopped nuts *is/??are going stale in my cupboard.
- 72. $[D] \ll e \gg [H] \ll e \gg [CL] = COUNT \ll e \gg [EN] \sqrt{TROUSER}; \sqrt{RAPID}; \sqrt{GLASS}; \sqrt{DOG}]]]]$
- 73. $[=N\sqrt{TROUSER}] \rightarrow TROUSER$

 $[=N\sqrt{RAPID}]$ \rightarrow no Content on file (for the nominal instantiation)

 $\begin{bmatrix} = N \sqrt{GLASS} \end{bmatrix} \rightarrow GLASS$ $\begin{bmatrix} = N \sqrt{DOG} \end{bmatrix} \rightarrow DOG$

74. $\{[=N] \setminus TROUSER\} \rightarrow TROUSER\}$ -COUNT \rightarrow Compositional only

 $\{[=_N \sqrt{RAPID}] \rightarrow \text{no Content}\}\ -COUNT \rightarrow \text{Compositional (no Content)}; RAPIDS$

 $\{[=_{\mathbb{N}} \sqrt{\text{GLASS}}] \rightarrow \text{GLASS}\} - \text{COUNT} \rightarrow \text{Compositional only}$ $\{[=_{\mathbb{N}} \sqrt{\text{DOG}}] \rightarrow \text{DOG}\} - \text{COUNT} \rightarrow \text{Compositional only}$

75. $\{[=N] \setminus TROUSER\} \rightarrow [-Content]\}$ — Ocontent on file

 $\{[=_{\mathbb{N}} \sqrt{\text{RAPID}}] \rightarrow \text{no Content on file}\} - COUNT \rightarrow RAPIDS \\ \{[=_{\mathbb{N}} \sqrt{\text{GLASS}}] \rightarrow [-\text{Content}]\} - COUNT \rightarrow GLASSES$

 $\{[=N] \lor DOG \}$ \rightarrow [-Content]}-COUNT \rightarrow no Content on file

- 76. The syntactic domain of Content *may*, but need not, include the lowest ExP-segment in the functional sequence.
- 77. Why only the lowest ExP-segment, architectural reasoning:
 - a. $[\sqrt{TROUSER}] \rightarrow$ no categorial label unless it merges with some Y
 - b. [CXIW] [transform] -ation] is not a maximal projection unless it merges with some Y
 - → if the domain of Content requires reference to category labels and to maximal instantiations, the lowest ExP-segment must be included
- 78. Why only the lowest ExP-segment, inherent reasoning:

In reference to (31), it is inherently true for the lowest item in the architectural sequence that it *never* selects another ExP-segment. It is thus definitionally at a twilight zone between the S-functor and the C-functor system.

7 Back to Slavic perfective prefixes:

- Type 1 Content not co-extensive with V, non-compositional
- Type 2 Content not co-extensive with V, but is compositional nonetheless!
- Type 3 Content co-extensive with V
- 79. *blogować* to blogʻ (computerese)

a. *do-blogować* to hit sb. (metaphorically) by blogging (no examples found)

b. na-blogować to blog a lot c. (nad-blogować) not attested d. o-blogować to blog about

e. *od-blogować* to blog back, to sign off from a blog, to take a break in blogging

f. *po-blogować* to blog for a little while

g. pod-blogować? to send by blogging (1 example found)

i. (przed-blogować) not attestedj. przy-blogować to add to a blog

k. *u-blogować* to manage to blog sth (e.g., a story, 4 pages, etc.)

l. *w-blogować* to blog in

m. z-blogować to blog (as pure perfectivizer), to put into a blog

n. za-blogować
o. prze-blogować
to blog – inceptive
to spend time blogging

q. roz-blogować to go on for too long blogging (with the REFL się), to spread the habit of

blogging

r. *wy-blogować* to produce sth.with blogging, to blog out

s. (wz-blogować) not attested (Lazorczyk 2010)

- 80. The phonological realization of functors may impacts Content, but their formal semantic as well as syntactic function remain stable.
- 81. a. *denwa ni* *(*dai*)
 telephone two CL
 'two telephones (instruments)'
- b. denwa ni *(hon) Mandarin telephone two CL'two telephone calls'
- 82. Roots may select their (bleached) PRF realization (e.g. *prze* for *czytała*) In the absence of selection, PRF is default (*z* in Polish)

By assumption, other perfective realizations are *not* selected by the root.

b.

83. a. $PRF /_{\pi}blogować / \Rightarrow BLOG /_{\pi}z/$

PRF $/_{\pi}blogowa\acute{c}/\Rightarrow$ [-Content] $/_{\pi}z/$

root selected, pure perfectivizer

no Content on file for $/_{\pi}zblogować/$ \rightarrow Contentless

c. PRF $/_{\pi}blogowa\acute{c} / \Rightarrow BLOG$ $/_{\pi}roz/ \Rightarrow TOO\ LONG$

c. PRF $/_{\pi}blogowa\acute{c} / \Rightarrow BLOG$ $/_{\pi}od/\Rightarrow BACK$

compositional: BLOG TOO LONG

compositional: BLOG BACK

84. a. $PRF /_{\pi}czytała/ \rightarrow READ /_{\pi}prze/$

b. $PRF /_{\pi}czytała/ \rightarrow [-Content] /_{\pi}prze/$

root selected, pure perfectivizer

no Content on file for $/_{\pi}$ prze*czytała*/ \rightarrow Contentless

c. PRF $/_{\pi}czytała/ \rightarrow READ$

d. PRF $/_{\pi}czytała/ \rightarrow$ [-Content] $/_{\pi}roz/$

(compositional)

/πrozczytała/ → DECODE

e. $PRF /_{\pi}czytała/ \rightarrow READ /_{\pi}od/$

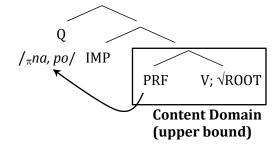
f.

PRF $/_{\pi}czytała/ \rightarrow [-Content]$ $/_{\pi}od/$

(compositional)

 $/_{\pi}odczytała/\rightarrow PRESENT$

85. na, po are spelled out in the context of adjacency to IMP



8 Content across a Functional Bracket?

I assume, in line with the detailed discussion in Borer (2013) that in argument structure derivatives, verbal extended projections are preserved, thereby allowing both pure perfectivizers and imperfective to occur, but with compositional meaning only. Outer aspect (or grammatical aspect) can be independently shown to be excluded from the domain of such derivatives, however, accounting for the absence of stacked prefixes in such derivatives.

86. If PRF is part of the verbal extended projection, how come it can be found within root nouns?⁴

```
an inscription, caption (cf. na-pisać _to write-telic)
87. a. na-pis
                    footnote (cf. przy-pisać _to attribute')
    b. przy-pis
                    a note, record (cf. za-pisać to write down)
    c. <u>za</u>-pis
                    a copy of an official document, hospital discharge (cf. wy-pisać to write out,
    d. wv-pis
                    to discharge from hospital')
                    recipe (cf. prze-pisać copy, prescribe)
                                                                   Polish, Lazorczyk (2010)
    f. prze-pis
88. a. rapids boat; glasses frame; briefs design
    b. lice infected; pants pocket
89. het.
            xolim:
                      ben mitzvot:
    house sick.pl
                      son commandments
    'hospital'
                      '13-year old boy'
90. a. [D] the [\#three\ [CL\ cat-s\ [CL\ cat-s\ ]]];
        F
              F
```

```
[D [#many [CL factor-s [ factor]]]
F F F
F
b. [D the [#three [CL rapid-s [rapid]]];
F F F

[D [#many [CL scissor-s [scissor]]]
F F F
F
```

```
91. a. [N2] [CL \ brief.s \ [=N1] \ brief \ ]] \ design \ ]; [N2] [CL \ pant-s \ [=N1] \ pant]] \ pocket]

b. [N1bet-\ [CL \ xol.im \ \ [=N2] \ xole \ ]]]; [N1 \ ben-\ [CL \ mitzv.ot \ \ [ \ mitzva \ ]]]

NF

(house) (patient) (son) command.f

HOSPITAL 13 YEARS OLD BOY
```

92. Contextual Functors (following suggestions in Booij 1996):

For any S, S \in {Ex[X]]} S cannot constitute a licit extended projection iff for all $y, y \in$ {Ex[X]], S does not select y (recall that all ExP-segments are optional, but their presence/absence has interpretational costs).

- 93. → The lowest member of any functional sequence is only an active member of an extended projection if dominated by some other member of that projection
- 94. → Within compounds, plural marking doesn't constitute a (nominal) extended projection, and as a result, doesn't block Content searches which include both the head and the non-head
- 95. → PRF only counts as an ExP-segment (of a verbal projection) if dominated by a member of Ex[V]. Absent such structure, its complement domain need not be V, but, rather, becomes dependent, categorially, on whatever ExP-segments merge above PRF.

'Inflection inside derivation':

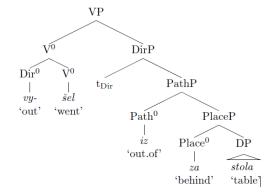
- a. in compositional cases, will bring in the full functional sequence above the relevant 'inflection' morph'
- b. In non-compositional cases, may only include the lowest possible instantiation of the functional sequence.

⁴ eventive derivatives, See Borer (2013) for extensive discussion of verbal Extended Projections within argument structure derivatives.

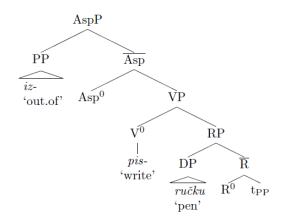
Appendix A: Against P Movement for Perfective Prefixes

A1. Svenonius (2005):

a.

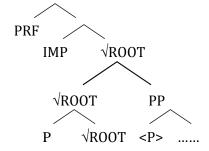


b.

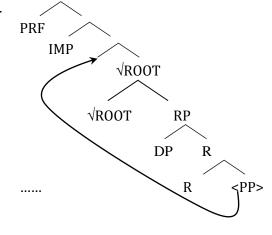


96.

a.



b.



- A2. A. Why (and how) does P merge below IMP?
 - B. And if it merges with the root, how much structure for roots?
 - C. And since it seems to check some sort of aspectual structure at least in *one* of these structures, why not merge it there directly?
 - D. In English particle constructions, obligatory telicity emerges only when the P does *not* incorporate/move. What, then, motivates the movement in Slavic?
- A3. A. Why are lexical prefixes obligatorily non-compositional?
 - B. And why, even when their meaning is predictable, it nonetheless deviates from that of the prepositions?

A4.	P	Meaning	Prefix	Meaning (canonical)
	do	to	V	reach a goal, add something
	na	on	\checkmark	a lot, to satisfaction
	nad	over	$\sqrt{}$	diminish size e.g., nad-gryźć 'to take a bite of sth' (gryźć 'to bite, to chew')
	0	above, around	$\sqrt{}$	directs the activity downward or backward
	od	from, away from	$\sqrt{}$	undoing sth, taking sth away. Also re-doing sth, gaining sth
	po	over	$\sqrt{}$	some, a little, DISTRIBUTIVE marker, inceptive wrt verbs of motions and states (*after)
	pod	under, below	V	up to, cause sth, increase intensity or fulfilment

przed	before		
przy	at, near	$\sqrt{}$	reach a spatial goal
и	away	$\sqrt{}$	
w(e)	in		
<i>z(e)</i>	from, with	$\sqrt{}$	complete (default pure perfectivizer in Polish)
za	behind, for	$\sqrt{}$	inceptive marker
		ob	around (historically an allomorph of o)
(przez)	through, by	prze	through, over
		roz	spreading, separating, distributing
		wy	out
		WZ	upward; increase or intensification; used with some verbs as inceptive

- A5. a. John wrote down poetry (for four hours/*in four hours).
 - b. John wrote down two pages of his article (in four hours/?for four hours).
 - c. John heated up the pot (for ten minutes/in ten minutes).
 - d. John heated up water (for ten minutes/in ten minutes). (Vitkova, 2004, cited in Svenonius, 2005)
- A6. a. *Jessica wrote poetry down (for four hours/in four hours).
 - b. Jessica wrote two pages of her article down (in four hours/*for four hours).
 - c. Jessica heated the pot up (*for ten minutes/in ten minutes).
 - d. *Jessica heated water up (for ten minutes/in ten minutes).

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