

The morphophonology of Russian declensions

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Russian SG declension

	-o	-C	-ĭ	-ĭ	-a
	N	M	M/N	F	F
NOM	božestv-ó	stól	pútʲ	bólʲ	čert-á
ACC	[α human]	[α anim]	NOM		čert-ú
GEN	božestv-á	stol-á	put-í	bólʲ-i	čert-í
DAT	božestv-ú	stol-ú	put-í	bólʲ-i	čert-é
LOC	božestv-é	stol-é	put-í	bólʲ-i	čert-é
INS	božestv-óm	stol-óm	putʲ-óm	bólʲ-ju	čert-ój(u)

Introduction

- ▶ Declension classes
 - ▶ A property of lexical and functional items (N, A, Dem ...)
 - ▶ No syntactic effect (unlike GENDER; henceforth γ)
 - ▶ Determine the choice of items' case endings

Russian SG nouns - syncretisms

	-o	-C	-ĭ	-ĭ	-a
	N	M	M/N	F	F
NOM	božestv-ó	stól	pútʲ	bólʲ	čert-á
ACC	[αhuman]	[αanim]	NOM		čert-ú
GEN	božestv-á	stol-á	put-í	bólʲ-i	čert-í
DAT	božestv-ú	stol-ú	put-í	bólʲ-i	čert-é
LOC	božestv-é	stol-é	put-í	bólʲ-i	čert-é
INS	božestv-óm	stol-óm	putʲ-óm	bólʲ-ju	čert-ój(u)

Russian SG inanimate nouns - syncretisms

	-o	-C	-ĭ	-ĭ	-a
	N	M	M/N	F	F
NOM	božestv-ó	stól	pútʲ	bólʲ	čert-á
ACC	NOM ¹				čert-ú
GEN	božestv-á	stol-á	put-í	bólʲ-i	čert-í
DAT	božestv-ú	stol-ú	put-í	bólʲ-i	čert-é
LOC	božestv-é	stol-é	put-í	bólʲ-i	čert-é
INS	božestv-óm	stol-óm	putʲ-óm	bólʲ-ju	čert-ój(u)

¹We are simplifying the ACC syncretism.

Russian SG inanimate nouns - predictable γ

- ▶ C-declension $\Rightarrow$ M
- ▶ *a*-declension $\Rightarrow$ F
 - ▶ Except if male denoting
- ▶ *o*-declension $\Rightarrow$ N (very few semantic exceptions)
- ▶ *ĭ*-declension $\Rightarrow$ F
 - ▶ Exceptions: 11/12 N and 1 M nouns

The nature of declension classes

- ▶ Diacritics on N
 - ▶ Accidental/Elsewhere syncretisms
 - ▶ No other use/effect
 - ▶ Unintelligible alphabet
- ▶ This talk: reduction to syntax & phonology
 - ▶ Cf. Spaelti (2004), Emonds and Spaelti (2005), Lampitelli and Ulfsbjorninn (2023)

The nature of declension classes

- ▶ Declension class as an epiphenomenon
 - ▶ Halle (1994): VI rules and ‘decl’ diacritic
 - ▶ Nessel (1994), Müller (2004a,b), Alexiadou and Müller 2008: two abstract features, $[\pm\alpha]$ and $[\pm\beta]$
 - ▶ Privizentseva (2023): $[\alpha]$ is F
 - ▶ Caha (2021): declension class as the root size

The nature of declension classes

- ▶ Müller (2008)
 - ▶ Introduced to handle the syncretisms
 - ▶ As arbitrary as the declension class feature
 - ▶ No independent motivation for $[\alpha]$ and $[\beta]$

$+\alpha$		$-\alpha$
$-\beta$	C-declension: <i>stol</i> 'table.M'	$\check{\text{r}}$ -declension: <i>bol'í</i> 'pain.F'
$+\beta$	o-declension: <i>božestvó</i> 'deity.N'	a-declension: <i>čertá</i> 'line.F'

The nature of declension classes

- ▶ Privizentseva (2023)

- ▶ $[\alpha] = [F]$

- ▶ No independent motivation for $[\pm\beta]$

	$-F$	$+F$
$-\beta$	C-declension: <i>stol</i> 'table.M'	<i>ř</i> -declension: <i>bolí</i> 'pain.F'
$+\beta$	<i>o</i> -declension: <i>božestvo</i> 'deity.N'	<i>a</i> -declension: <i>čerta</i> 'line.F'

Aims of this talk

- ▶ No need for declension-specific diacritics
- ▶ Müller (2008)'s and Privizentseva (2023)'s $[\pm\beta]$ = shape of the last V slot of the stem
- ▶ Syncretic patterns are due to
 - ▶ The γ value of the stem
 - ▶ The shape of the final V slot of the stem
 - ▶ The shape of κ endings

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Assumptions - DM-ish

- ▶ Stems are categorized $\Rightarrow$ they may include derivational morphology (not inflection; Acquaviva 2008, Kučerová & Szczegielniak 2018)
 - ▶ They may contain γ (and NUM) information
 - ▶ If γ heads its own projection, it does so high in the N fseq
- ▶ Declensional endings consist of NUM and K
 - ▶ NUM is sensitive to stem's γ
 - ▶ K is sensitive to γ and NUM
- ▶ γ percolates upwards
 - ▶ It values K's $[\gamma]$

(1) STEM_[\alpha F]-NUM_[\alpha F]-K_[\alpha F]

Assumptions - Turbidity Theory

- ▶ Two kinds of association lines
 - ▶ Projection ↓
 - ▶ What C/V slot a segment belongs to
 - ▶ Pronunciation ↑
 - ▶ What C/V slot a segment is pronounced in

	Full	Silent	Empty
	C/V	C/V	C/V
Phonology	↕ ●	↓ ●	
Phonetics	[●]	[]	[]

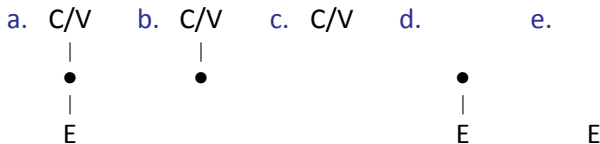
Assumptions - Turbidity Theory

- ▶ Two kinds of association lines
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 - ▶ Pronunciation ↑
 - ▶ What C/V slot a segment is pronounced in

	Full	Silent	Empty
	C/V	C/V	C/V
Phonology	 ●	⋮ ●	
Phonetics	[●]	[]	[]

Assumptions - rooted CV

► Template typology²

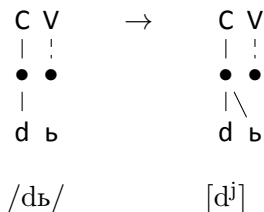


- Segments are sets of elements associated to a root node
- If not associated to a C/V slot, segments do not surface
- If not associated to a root node, elements do not surface

²We disregard other possible options because they are irrelevant here.

Assumptions - final Ъ of ĭ-declension

- ▶ /Ъ/ as (a sort of) yer
 - ▶ |I| floating PAL element in a projected root node
 - ▶ It gets *pronounced* on the leftmost available •, and
 - ▶ on its • if not governed/if stressed



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Overview

- ▶ The $\sqrt{\text{ }}$ -final V comes in various shapes

	stem-final V
<i>o</i> -declension	∅
C-declension	∅
<i>a</i> -declension	∅
<i>ĩ</i> -declension	¬∅ (b)
(most) indeclinables ³	¬∅

³The gender of the hypernym and the stem-final vowel affect GENDER assignment (Magomedova et al 2024)

Overview

- ▶ NUM comes in various shapes, which depend on $[\gamma]$

	SG^4
N	o
M	$\emptyset$
F	a

⁴ x = full C/V, x = floating material

Overview

- ▶ NUM comes in various shapes, which depend on $[\gamma]$

	SG ⁴
N	<i>o</i>
M	$\emptyset$
F	<i>a</i>

- ▶ Floating SG exponents surface only if
 - ▶ the stem-final V is empty, and
 - ▶ they are not followed by another vowel

⁴x = full C/V, ^x = floating material

Overview

- ▶ NUM comes in various shapes, which depend on $[\gamma]$

	SG ⁴
N	<i>o</i>
M	$\emptyset$
F	<i>a</i>

- ▶ Floating SG exponents surface only if
 - ▶ the stem-final V is empty, and
 - ▶ they are not followed by another vowel
- ▶ No overt SG exponent on $\check{r}$ -nouns
- ▶ nor on $\neg$ NOM nouns

⁴x = full C/V, ^x = floating material

Overview

- κ comes in various shapes, which depend on $[\gamma.\text{NUM}]$

	-F.SG	+F.SG
NOM	$\emptyset$	$\emptyset$
ACC	$\emptyset$	u
GEN	a	i
DAT	u	CV^i
LOC	e	CV^i
INS	om	$o^i j^u$

Overview

- κ comes in various shapes, which depend on $[\gamma.\text{NUM}]$

	-F.SG	+F.SG
NOM	$\emptyset$	$\emptyset$
ACC	$\emptyset$	u
GEN	a	i
DAT	u	CV^i
LOC	e	CV^i
INS	om	$o^i j^u$

- Floating κ exponents surface if
 - the stem-final V is empty and
 - SG exponents are $\emptyset$ (M) or floating (N/F)
 - hence, floating κ exponents do not surface on $\check{i}$ -nouns
- Non-floating κ exponents always surface (+F.GEN/DAT/LOC, INS)

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[-F]

[+F]

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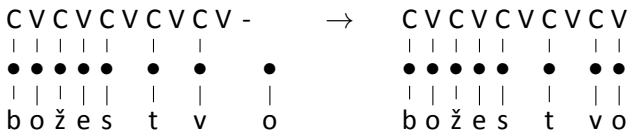
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Syncretisms

	-o	-C	-ĭ	-ĭ	-a
	N	M	M/N	F	F
NOM	božestv-ó	stól	pútʲ	bólʲ	čert-á
ACC	božestv-ó	stól	pútʲ	bólʲ	čert-ú
GEN	božestv-á	stol-á	put-í	bólʲ-i	čert-í
DAT	božestv-ú	stol-ú	put-í	bólʲ-i	čert-é
LOC	božestv-é	stol-é	put-í	bólʲ-i	čert-é
INS	božestv-óm	stol-óm	putʲ-óm	bólʲ-ju	čert-ój(u)

N	
NOM	božestv-ó
ACC	božestv-ó

- ▶ $\sqrt{\text{BOŽESTV}}_{[N]}$
- ▶ $\text{SG}_{[N]} \Leftrightarrow o^5$
- ▶ $\text{NOM/ACC}_{[\text{SG}]} \Leftrightarrow \emptyset$



⁵For legibility reasons, in VI rules, we do not represent floating material by means of superscript characters.

$\sqrt{C}_{-[-F]}$

M	
NOM	stól
ACC	stól

► $\sqrt{STOL}_{[M]}$

► $SG_{[M]} \Leftrightarrow \emptyset$

► $NOM/ACC_{[SG]} \Leftrightarrow \emptyset$

C	V	C	V	C	V	-	→	C	V	C	V	C	V
•	•	•	•					•	•	•	•		
s	t	o	l		∅			s	t	o	l		

$\sqrt{C(V)}_{[-F]}$

	M	M/N
NOM	stól	pút ^j
ACC	stól	pút ^j

► $\sqrt{STOL}_{[M]} / \sqrt{PUTb}_{[M]}$

► $SG_{[M]} \Leftrightarrow \emptyset$

► $NOM/ACC_{[SG]} \Leftrightarrow \emptyset$

C	V	C	V	-	→	C	V	C	V
•	•	•	•			•	•	•	•
								\	
p	u	t	b	∅		p	u	t	b

	N
GEN	božestv-á
DAT	božestv-ú
LOC	božestv-é

- ▶ $\sqrt{\text{BOŽESTV}_{[N]}}$
- ▶ $\text{SG}_{[N]} \Leftrightarrow o$
- ▶ $\text{GEN}_{[\text{SG}]} / \text{DAT}_{[\text{SG}]} / \text{LOC}_{[\text{SG}]} \Leftrightarrow a/u/e$
- ▶ The first of two floating segments drops (Jakobson 1958/1984)

CVCVCVCVCVCV - - → CVCVCVCVCVCV
 | | | | | | | | | | | | | | | |
 ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
 | | | | | | | | | | | | | | | |
 b o ž e s t v o a b o ž e s t v o a

	N	M
GEN	božestv-á	stol-á
DAT	božestv-ú	stol-ú
LOC	božestv-é	stol-é

- ▶ $\sqrt{\text{BOŽESTV}}_{[N]}/\sqrt{\text{STOL}}_{[M]}$
- ▶ $\text{SG}_{[N]} \Leftrightarrow o/\text{SG}_{[M]} \Leftrightarrow \emptyset$
- ▶ $\text{GEN}_{[SG]}/\text{DAT}_{[SG]}/\text{LOC}_{[SG]} \Leftrightarrow a/u/e$

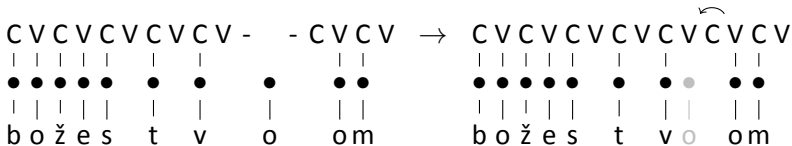
$\begin{array}{cccccc} \text{C} & \text{V} & \text{C} & \text{V} & \text{C} & \text{V} & - & - \\ | & | & | & | & & & & \\ \bullet & \bullet & \bullet & \bullet & & & \bullet & \\ | & | & | & | & & & | & \\ \text{s} & \text{t} & \text{o} & \text{l} & \emptyset & \text{a} & & \end{array} \rightarrow \begin{array}{cccccc} \text{C} & \text{V} & \text{C} & \text{V} & \text{C} & \text{V} \\ | & | & | & | & | & | \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | \\ \text{s} & \text{t} & \text{o} & \text{l} & \text{a} & \end{array}$

	N	M
INS	božestv-óm	stol-óm

► $\sqrt{BO\check{Z}ESTV}_{[N]} / \sqrt{STOL}_{[M]}$

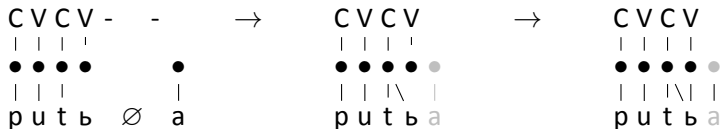
► $SG_{[N]} \Leftrightarrow o / SG_{[M]} \Leftrightarrow \emptyset$

► $INS_{[SG]} \Leftrightarrow om$



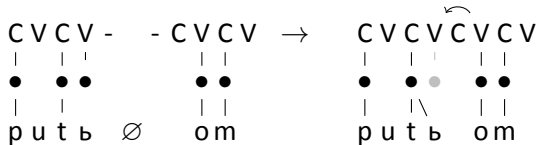
	N	M	M/N
GEN	božestv-á	stol-á	put-í
DAT	božestv-ú	stol-ú	put-í
LOC	božestv-é	stol-é	put-í

- ▶ $\sqrt{\text{BOŽESTV}_{[N]}}/\sqrt{\text{STOL}_{[M]}}/\sqrt{\text{PUT}_{\mathbf{b}_{[M]}}}$
- ▶ $\text{SG}_{[N]} \Leftrightarrow o/\text{SG}_{[M]} \Leftrightarrow \emptyset$
- ▶ $\text{GEN}_{[\text{SG}]}/\text{DAT}_{[\text{SG}]}/\text{LOC}_{[\text{SG}]} \Leftrightarrow a/u/e$
- ▶ Stress licenses the pronunciation of $\mathbf{b} \Rightarrow /_{\mathbf{b}}/ \rightarrow [i]$
 - ▶ See INF /nes't $\mathbf{b}$ / $\rightarrow$ [n^jes'ti]



	N	M	M/N
INS	božestv-óm	stol-óm	put ^j -óm

- ▶ $\sqrt{\text{BOŽESTV}_{[N]}}/\sqrt{\text{STOL}_{[M]}}/\sqrt{\text{PUT}_{[M]}}$
- ▶ $\text{SG}_{[N]} \Leftrightarrow o/\text{SG}_{[M]} \Leftrightarrow \emptyset$
- ▶ $\text{INS}_{[\text{SG}]} \Leftrightarrow om$



$\sqrt{C(V)}_{[-F]}$ - surface-based syncretism

Phonology		$\sqrt{C_}$	$\sqrt{CV}$	
Morphosyntax		-F		
GEN	<i>a</i>	božestv-á	stol-á	put-í
DAT	<i>u</i>	božestv-ú	stol-ú	put-í
LOC	<i>e</i>	božestv-é	stol-é	put-í
INS	<i>om</i>	božestv-óm	stol-óm	put ^j -óm

► Phonology

- $\sqrt{C_}$ vs $\sqrt{CV}$ & *floating* vs *non-floating* κ exponent

► Morphosyntax

- GEN_[SG]/DAT_[SG]/LOC_[SG] ⇔ *a/u/e* in *o/C*-declension
- GEN_[SG]/DAT_[SG]/LOC_[SG] ⇔ *í* in *ř*-declension
- INS_[SG] ⇔ *om* in all [-F] declensions

$\sqrt{C(V)}_{[-F]}$ - morphosyntax-based syncretism

Phonology		$\sqrt{C_}$	$\sqrt{CV}$	
Morphosyntax		-F		
GEN	<i>a</i>	božestv-á	stol-á	put-í
DAT	<i>u</i>	božestv-ú	stol-ú	put-í
LOC	<i>e</i>	božestv-é	stol-é	put-í
INS	<i>om</i>	božestv-óm	stol-óm	put ^j -óm

► Phonology

- $\sqrt{C_}$ vs $\sqrt{CV}$ & floating vs non-floating κ exponent

► Morphosyntax

- GEN_[SG]/DAT_[SG]/LOC_[SG] $\Leftrightarrow$ *a/u/e* in *o/C*-declension
- GEN_[SG]/DAT_[SG]/LOC_[SG] $\Leftrightarrow$ *í* in *ř*-declension
- INS_[SG] $\Leftrightarrow$ *om* in all [-F] declensions

$\sqrt{C}_{- [+F]}$

F	
NOM	čert-á

► $\sqrt{\check{C}ERT}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $NOM_{[SG]} \Leftrightarrow \emptyset$

C	V	C	V	C	V	-	-
•	•	•	•		•		
č	e	r	t		a	∅	

→

C	V	C	V	C	V
•	•	•	•	•	•
č	e	r	t	a	

$\sqrt{C(V)}_{[+F]}$

	F	F
NOM	čert-á	ból ^j

► $\sqrt{\check{C}ERT}_{[F]} / \sqrt{BOLb}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $NOM_{[SG]} \Leftrightarrow \emptyset$

C	V	C	V	-	-		→	C	V	C	V	
•	•	•	•	•				•	•	•	•	•
										\		
b	o	l	b	a	∅			b	o	l	b	a

$\sqrt{C}_{-[+F]}$

F	
ACC	čert-ú

► $\sqrt{\check{C}ERT}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $ACC_{[F.SG]} \Leftrightarrow u$

C	V	C	V	C	V	-	-
•	•	•	•			•	•
č	e	r	t			a	u

→

C	V	C	V	C	V
					\
•	•	•	•	•	•
č	e	r	t	a	u

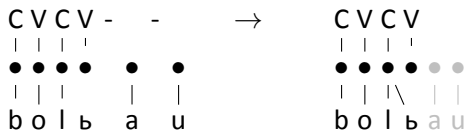
$\sqrt{C(V)}_{[+F]}$

	F	F
ACC	čert-ú	bólj

► $\sqrt{\check{C}ERT}_{[F]} / \sqrt{BOLb}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $ACC_{[F.SG]} \Leftrightarrow u$



$\sqrt{C}_{- [+F]}$

F	
GEN	čert-í

► $\sqrt{\check{C}ERT}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $GEN_{[F.SG]} \Leftrightarrow í$

CV C V C V - - C V $\rightarrow$ CV C V C V C V

$\begin{array}{ccccccc}
| & | & | & | & & & | \\
\bullet & \bullet & \bullet & \bullet & \bullet & & \bullet \\
| & | & | & | & | & & | \\
\check{c} & e & r & t & a & & í
\end{array}
\rightarrow
\begin{array}{ccccccc}
| & | & | & | & & & | \\
\bullet & \bullet & \bullet & \bullet & \bullet & & \bullet \\
| & | & | & | & | & & | \\
\check{c} & e & r & t & a & & í
\end{array}$

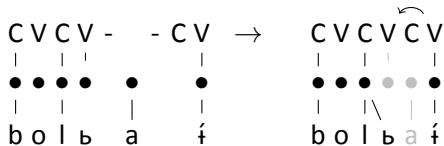
$\sqrt{C(V)}_{[+F]}$

	F	F
GEN	čert-í	ból ^j -i

► $\sqrt{\check{C}ERT}_{[F]} / \sqrt{BOLb}_{[F]}$

► $SG_{[F]} \Leftrightarrow a$

► $GEN_{[F.SG]} \Leftrightarrow í$



$\sqrt{C}_{- [+F]}$

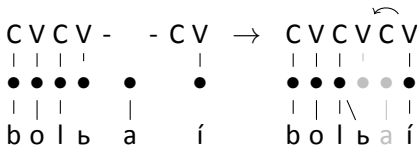
F	
DAT	čert-é
LOC	čert-é

- ▶ $\sqrt{\check{C}ERT}_{[F]}$
- ▶ $SG_{[F]} \Leftrightarrow a$
- ▶ $DAT_{[F.SG]}/LOC_{[F.SG]} \Leftrightarrow í$
- ▶ $í$ associates to the leftmost available $\bullet$, i.e. $a's \Rightarrow |A| + |I| = e$

$CVCVCV - - CV \rightarrow CVCVCVCVCV$
 $\begin{array}{ccccccc} | & | & | & | & & & | \\ \bullet & \bullet & \bullet & \bullet & \bullet & & \bullet \\ | & | & | & | & | & & | \\ \check{c} & e & r & t & a & & í \end{array} \rightarrow \begin{array}{ccccccc} | & | & | & | & | & | & | \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & \diagdown & | \\ \check{c} & e & r & t & a & & í \end{array}$

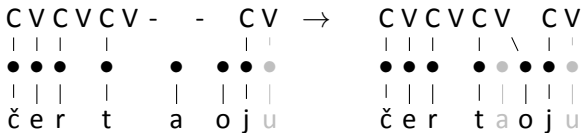
	F	F
DAT	čert-é	ból ^j -i
LOC	čert-é	ból ^j -i

- ▶ $\sqrt{\check{C}ERT}_{[F]} / \sqrt{BOLb}_{[F]}$
- ▶ $SG_{[F]} \Leftrightarrow a$
- ▶ $DAT_{[F.SG]} / LOC_{[F.SG]} \Leftrightarrow í$
- ▶ $í$ cannot associate to Ъ's • (NCC), nor to the one of the unpronounced $a \Rightarrow$ it is pronounced in its own V slot



F	
INS	čert-ój(u)

- ▶ $\sqrt{\check{C}ERT}_{[F]}$
- ▶ $SG_{[N]} \Leftrightarrow a$
- ▶ $INS_{[F.SG]} \Leftrightarrow oju$
- ▶ The last V can fail to surface if the preceding V slot is realised
 - ▶ Cf. reflexive clitics, and see Zaliznjak (1992) and Kireyev (2022)



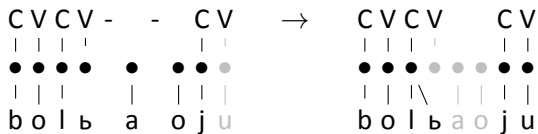
$\sqrt{C(V)}_{[+F]}$

	F	F
INS	čert-ój(u)	bólʲ-ju

► $\sqrt{\check{C}ERT}_{[F]} / \sqrt{BOLb}_{[F]}$

► $SG_{[N]} \Leftrightarrow a$

► $INS_{[F.SG]} \Leftrightarrow oju$



$\sqrt{C(V)}_{[+F]}$ - surface-based syncretism

	Phonology	$\sqrt{CV}$	$\sqrt{C_}$
Morphosyntax			+F
NOM	$\emptyset$	ból ^j	čert-á
ACC	u	ból ^j	čert-ú
GEN	i	ból ^j -i	čert-í
DAT	CV^i	ból ^j -i	čert-é
LOC	CV^i	ból ^j -i	čert-é
INS	oju	ból ^j -ju	čert-ój(u)

► Phonology

- $\sqrt{C_}$ vs $\sqrt{CV}$ & *floating* vs *non-floating* κ exponent

► Morphosyntax

- $NOM_{[F.SG]}/ACC_{[F.SG]}/GEN_{[F.SG]}/INS_{[F.SG]} \Leftrightarrow \emptyset/u/i/oju$
- $DAT/LOC_{[F.SG]} \Leftrightarrow i$

$\sqrt{C(V)}_{[+F]}$ - morphosyntax-based syncretism

	Phonology	$\sqrt{CV}$	$\sqrt{C_}$
Morphosyntax		+F	
NOM	$\emptyset$	ból ^j	čert-á
ACC	u	ból ^j	čert-ú
GEN	i	ból ^j -i	čert-í
DAT	CV^i	ból ^j -i	čert-é
LOC	CV^i	ból ^j -i	čert-é
INS	oju	ból ^j -ju	čert-ój(u)

► Phonology

- $\sqrt{C_}$ vs $\sqrt{CV}$ & *floating* vs *non-floating* κ exponent

► Morphosyntax

- $NOM_{[F.SG]}/ACC_{[F.SG]}/GEN_{[F.SG]}/INS_{[F.SG]} \Leftrightarrow \emptyset/u/i/oju$
- $DAT/LOC_{[F.SG]} \Leftrightarrow i$

Outline

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Conclusion

This analysis shows that if we focus on the **abstract (morpho-)phonological representations**, we can

- ▶ uncover new, **simpler** syncretism patterns
- ▶ attain a **formal description** of these patterns that requires
- ▶ **less** and **simpler VIs**, and highlights
- ▶ the difference between **phonology-** and **morphosyntax-based syncretisms**

Outline

Introduction

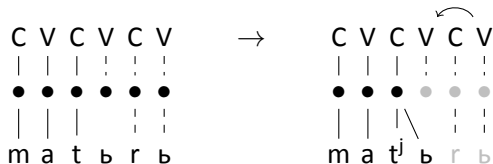
Assumptions

Analysis

Appendix

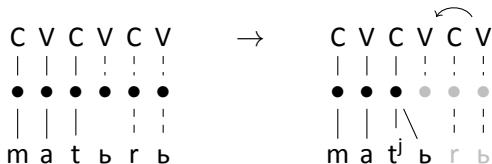
Floating consonants with ь-declension nouns

► /matʲrʲ/ → [matʲ]

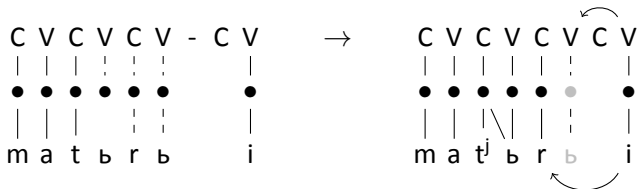


Floating consonants with Ъ-declension nouns

► /matъrъ/ → [matʲ]



► /matъrъ/ - /i/.GEN → ['matʲiri]



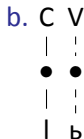
Alternative representation of $\mathbb{B} - \mathbb{I}$

- ▶ The final V projects a root node, which projects an $|\mathbb{I}|$ element
- ▶ $|\mathbb{I}|$ is pronounced on the preceding root node
 - ▶ The pronunciation association belongs to the UR



Alternative representation of Ъ - I

- ▶ Cf. *postelʲ* ~ *postelʲka* vs *butʲilʲ* ~ *butʲilka*: in the latter
 - ▶ if Ъ is ungoverned, the preceding C slot is palatalised
 - ▶ if Ъ is governed, the preceding C slot is not palatalised
- ▶ Two different UR representations
 - a. *postelʲ*
 - b. *butʲilʲ*
 - ▶ Phonological computation accounts for regressive palatalisation



Alternative II

- ▶ Deficient segment
 - ▶ |I| element with no root node
 - ▶ Parasitic on other *pronounced* root nodes

