

TORI

Transcription of Russian Intonation

Transcription of Russian Intonation
Транскрипция Русской Интонации

Сесилия Оде
Амстердамский университет
c.ode@uva.nl

Новая транскрипция русской интонации

Новая транскрипция русской интонации ТоРИ с помощью экспериментально-фонетического подхода, в которой описаны формы и функции интонации, выражены в однозначных символах

- В ***ТоРИ***, формы интонации выражены в однозначных символах, позволяющих сопоставление с другими языками, описанными также в этих символах
- В ***ТоРИ***, формы и функции описаны на основе экспериментально-фонетических данных

Однозначные символы


В транскрипции русской интонации, каждый символ имеет непосредственные фонетические корреляты и охватывает все реализации интонационных форм в любом типе речи: в спонтанной, квази-спонтанной и подготовленной речи

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a free interactive research tool and learning module
by *Cecilia Odé*

University of Amsterdam
ACLCL/Chair Phonetic Sciences
c.ode@uva.nl




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ToRI is funded by the Netherlands Organization for Scientific Research, NWO
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бесплатный, аудиовизуальный, интерактивный курс в интернете

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**(страницы на английском и на русском
языке находятся в разработке)**

**ТоРИ осуществляется при финансовой
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По горизонтали

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Признательность

Информация о финансировании ТоРИ, о записях, авторах и т.п.

Введение

Транскрипция русской интонации (ТоРИ) представляет собой бесплатный аудиовизуальный и интерактивный курс в интернете для изучения и преподавания русской интонации.

В этой новой системе транскрипции русской интонации используются однозначные символы для транскрипции тональных акцентов и других феноменов высоты тона.

Эти символы выражают экспериментально проверенные формы и коммуникативные функции интонации.


ТоРИ построена таким образом, что систему можно использовать как учебный инструмент для лингвистов и студентов на продвинутом этапе, так и как исследовательский инструмент для описания интонации в разных вариантах русского языка и в русских диалектах во время лингвистических экспедиций.

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The development of ToRI is financially supported by the Netherlands Organization of Scientific Research (NWO), 2002-2006, filenumber 355-75-004. The webpages are financially supported by the University of Amsterdam, Onderwijs Innovatie Fonds (OIF, Innovation of Teaching Grants) and the Stichting Spraaktechnologie. Webmasters are Rob Goedemans, who is responsible for the design of the webpages, and Jan de Jong, who is responsible for processing the sound examples and designing the exercises.

The ToRI system was originally inspired by the Transcription of Dutch Intonation, ToDI (Gussenhoven et al., 2003, <http://todi.let.kun.nl/ToDI/home.htm>). In its turn, ToDI was partly based on ToBI ([Tones and Break Indices](http://www.ling.ohio-state.edu/~tobi/) (Beckman et al., 2005; <http://www.ling.ohio-state.edu/~tobi/>)), but differs from ToBI in that, among other things, no Break Indices are included (Gussenhoven, 2005:122). ToRI uses symbols as they appear in ToDI, but in its turn differs considerably from ToDI for language-specific reasons. Unlike ToDI, ToRI presents not only forms, but also communicative functions of pitch accents and other pitch phenomena. For literature on ToDI and on ToBI-like systems and websites, see Literature.

Corpora of spoken Russian used for ToRI are the following:

- Odé corpus, (© Odé 1989);
- recordings by Odé (© Odé 2004, 2005, 2006);
- St. Petersburg corpus of spontaneous and read speech (2002, from the INTAS corpus, projectno. 915, <http://www.speech.pu.ru/results.php>).

The Odé (1989) corpus consists of twelve minutes of spontaneous speech by two female and three male speakers, and three minutes of quasi-spontaneous and read-aloud speech by one female and five male speakers, between 20-70 years of age. For more details see Odé (1989:135ff.).

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Introduction

What is ToRI?

ToRI, a Transcription of Russian Intonation, is a manual transcription system using unambiguous symbols for the prosodic labelling of types of pitch accent, perceptually relevant non-accent-lending pitch movements connecting the pitch accents, and pitch phenomena at boundaries in modern spoken Russian. The forms of pitch accents are described in detail with specifications of the phonetic correlates, with a set of rules for the actual realization of the described pitch accents, and with the main communicative functions of the accents. Though communicative functions are basically restricted to sentence types like question or statement, individual examples are also presented illustrating the sometimes very subtle differences in interpretations of pitch realizations.

In ToRI, many prosodic terms occur that are not always used in the same sense by linguists and phoneticians. Therefore, by moving the mouse over the text, terms used throughout ToRI are highlighted and appear with their definitions in boxes with reference to relevant sections, if applicable.

The ToRI system is implemented on the Internet and freely accessible as an interactive research tool and learning module. Speech materials illustrating the system are selected from corpora in the Moscow and St Petersburg varieties of modern Russian as pronounced by female and male native speakers of different age. The ToRI corpus of spoken Russian presents a large variety of different speech styles, such as short and longer fragments taken from monologues, dialogues, discourse, spontaneous speech, theater, interviews, mass media, read-aloud texts. This variety guarantees that ToRI covers most intonation contours occurring in modern standard Russian. In the final section, isolated examples that were selected from the corpus to illustrate specific pitch phenomena in previous sections are presented in their original longer context.

<http://www.fon.hum.uva.nl/tori/tijdelijk/intro.htm> Internet

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ToRI symbols

Overview of the ToRI transcription symbols

<p>H* , L*</p> <p>H, M, L</p> <p>%H, %L</p> <p>%M</p> <p>L%</p> <p>%</p> <p>^</p> <p>>>></p> <p>∨</p> <p>∞</p>	<p>pitch accent with high or low pitch target reached in the accented syllable</p> <p>non-accent-lending pitch movements to the high, mid or low level</p> <p>initial high or low pitch</p> <p>initial mid pitch</p> <p>final low pitch boundary (final high boundaries do not occur in Russian)</p> <p>prosodic boundary not marked by pitch</p> <p>raised peak: a small high rise, optional</p> <p>sawtooth pattern with sequences of reduced rising or falling pitch accents</p> <p>single harmonica pattern</p> <p>repeated harmonica pattern</p>
---	---

General conventions

Depending on the type, symbols for pitch phenomena occur as singletons or as combinations of symbols without interspacing. For example, singleton H indicates a non-accent lending pitch movement to the high level. The combination of symbols L*H indicates a type of pitch accent with a low pitch target reached in the accented syllable, immediately followed by a high pitch target; both targets L and H belong to this given pitch accent. Subsequent pitch phenomena are separated from one another by spaces. For example, H*L L% for pitch accent H*L followed by low pitch boundary L%. If no new pitch symbol appears, pitch is sustained on the last indicated level. Symbols are always indicated above the text of an utterance, exactly at the syllable on which a given pitch phenomenon is realized.

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Символы

Символы ТоРИ представляют типы тональных явлений. Они обозначают тональные акценты, движения тона соединяющие тональные акценты, и тональные границы в начале и в конце высказываний.




После краткого изложения этих тональных явлений описывается символика для транскрипции русской интонации.




Дальше даются формы тональных акцентов с рисунками, с фонетическими коррелятами и с главными коммуникативными функциями акцентов.

Использованные символы:

- H*, L* тональный акцент с высокой (H) и низкой (L) тональной целью (*)
 (*) в акцентированном слоге
- H, M, L восходящая (H), средняя (M), нисходящая (L) высота тона, не придающая слову выделенность (проминентность)
- %H начальная высокая (%H) высота тона
- %M начальная средняя (%M) высота тона
- %L начальная низкая (%L) высота тона
- L% низкая (L%) высота тона на границе
- % отсутствие тонального маркирования границы; последний указанный тональный уровень растягивается до границы
- ^ маленькое, высокое повышение (факультативное)
- >>> пилеобразная модель с редуцированными акцентами
- ∨, ∨ⁿ гармоникообразная модель, повторная гармоникообразная модель

Тональные акценты в символах

- H*L L% 
- H*H % 
- H*M % 

- L* L% 
- HL* L% 
- L*H % 

Символы с контурами

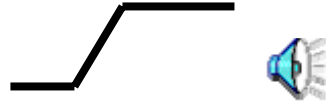
H*L L%



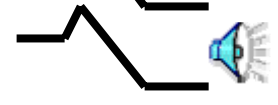
L* L%



H*H %



HL* L%



H*M %



L*H %



Правила реализаций

На этих страницах даются правила реализаций тональных акцентов со средними величинами и с границами перцептивной допустимости.

Словарь

Словарь состоит из 38 терминов тональных явлений, везде использованных в ТоРИ.

Литература



Список использованной литературы и другие работы об интонации.


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Rules for the realization of pitch accents

- Type H*L
- Type H*H
- Type H*M
- Type L*
- Type HL*
- Type L*H

Type H*L

average values:

<i>pretomics</i>	*	<i>timing</i>	<i>posttonics</i>	<i>rate of change</i>
varying	pitch level in ST	early	pitch level in ST	pitch level in ST/s
	17		low(0)	75

limits of perceptual tolerance:

<i>pretomics</i>	*	<i>timing</i>	<i>posttonics</i>	<i>rate of change</i>
varying	pitch level in ST	early	pitch level in ST	pitch level in ST/s
	13-21		low(4-0)	55-115

After the high pitch target reached in the accented syllable, and before pitch drops to low in the posttonic part, a high level plateau with a varying duration from 40-85ms is often realized.

<http://www.fon.hum.uva.nl/tori/tijdelijk/realization-rules.htm> Internet

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Glossary

Accent-lending pitch movement

An accent-lending pitch movement is a pitch movement realized in such a way that a hearer perceives prominence on the syllable in which it occurs and thus perceives a pitch accent on that syllable. Accent-lending pitch movements are realized with various gradations, with varying salience, and usually occur in syllables carrying word stress. The position of word stress can be found in a dictionary, but the location and type of pitch accent depends on the intention of the speaker and thus cannot be found in dictionaries. Not all realizations of a given type of pitch accent are equally salient, but within one type all realizations are always perceptually equivalent.

Boundary *see Pitch boundary, prosodic boundary*

Connecting pitch movements

Pitch movements between pitch accents or between pitch accents and boundaries. Pitch does not move in a straight line from accent to accent or from accent to boundary. In sequences of connecting pitch movements, turning points occur, thus separating movements belonging to the last accent from those belonging to the next accent or boundary.

Declination

The involuntary, physiologically determined tendency of the fundamental frequency to gradually decline in the course of an utterance ('t Hart et al. 1990: 121f.). Note that a speaker can voluntarily influence the rate of declination or make a declination reset.

Excursion size

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Literature

References and further reading

(this list is not exhaustive; more references can be found in the references listed below)

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Accent H*N

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Accent H*M

Exercise 1

Exercise 2

Accent L*

Exercise 1

Exercise 2

Accent HL*

Exercise 1

Exercise 2

Accent L*N

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По вертикали

Getting started

На этой странице даются необходимые технические условия для использования ТоРИ в Интернете.

Pitch accents

Тональные акценты с описанием названий, с символикой, с аудиовизуальными примерами, с коммуникативными функциями и с упражнениями для распознавания и имитации.

Boundaries

На аудиовизуальных примерах здесь обсуждаются тональные границы, т.е., движения тона, с намерением реализованные говорящим, которые разделяют цепочку слов. Таким образом говорящий организует высказывания с тем, чтобы слушатель воспринял какие слова составляют одну группу слов. Следует отметить, что не только с помощью высоты тона можно реализовать границу, а также, например, с помощью паузы (тихой или заполненной), с колебанием, или с восстановлением определенного уровня, вверх или вниз, высоты тона.

Non-accent lending pitch movements

Имеются в виду движения тона между тональными акцентами или между тональными акцентами и границами высказываний.

Высота тона не имеет форму прямой линии между акцентами, или между последним акцентом и границей высказывания:

в последовательности соединяющих движений тона встречаются специфические изменения направления высоты тона, которые разделяют движения тона принадлежащие к последнему акценту от принадлежащих к следующему акценту или границе.

Communicative functions of pitch phenomena

На этих страницах более подробно обсуждаются главные коммуникативные функции тональных акцентов.

Interpretations of pitch phenomena

Даются примеры со сложными или subtilными интерпретациями.

Pitch accents in longer contexts

Представлены тональные акценты в более широком контексте.

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Pitch accents

1. Accent H*L



Form

Together with H*H, pitch accent H*L is a very striking pitch accent to non-native listeners because of its very high pitch. It is a steep rise coming from low or mid pitch to high pitch. The high ending is reached at the beginning of the accented syllable. At the end of the accented syllable, the pitch drops to low and continues low or slightly falling to the end of the utterance. In the examples, H*L occurs in words in a number of different positions of the utterance.

Function

The main communicative function of this accent is a yes/no question (without question word). Other communicative functions are: a continuation, a contrast, prominence (strong emphasis) in narratives and statements. It may also express a repeated question, a repeated wh-question and an alternative question.

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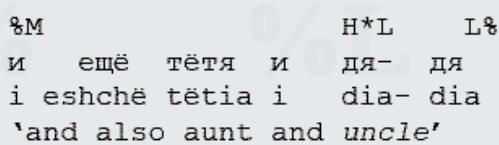
'it was warm'




%L H% L%

и ещё тётя и дя- дя
i eshchë tëtia i dia- dia
'and also aunt and uncle'

H* L L%



%M H* L L%



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L% H*L L%



и ещё тётя и дя- дя
i eshchë tëtia i dia- dia
'and also aunt and uncle'



H*L L%

болтать по-телефону
boltat' po-telefonu
'chat on the phone'



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Pitch accents

6. Accent L*H

Form

Pitch accent L*H is fall-rise, realized as a fall from high or mid to not-quite-low, followed by a rise to high pitch which is sustained until the end of the utterance. In the examples, L*H occurs on words in a number of different positions of the utterance.

Function

One communicative function of this accent is an elliptic question. Other functions are: polemic answer, summons, enumeration, incompleteness, imperative question.

Examples

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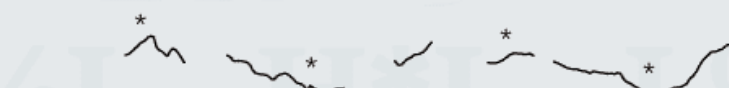
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%H H*M L*H % %H H*M L*H %
 бабушка и дедушка папа и мама
 babushka i dedushka papa i mama
 'grandmother and grandfather, daddy and mommy'

Done Internet

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Упражнения

Аудиовизуальные примеры всех тональных акцентов даются с аудиовизуальными упражнениями с обратной связью.

Таким образом лингвист или студент может усвоить правильно


- распознавать,
- имитировать,
- производить и
- транскрибировать

интонационные контуры в русском языке.

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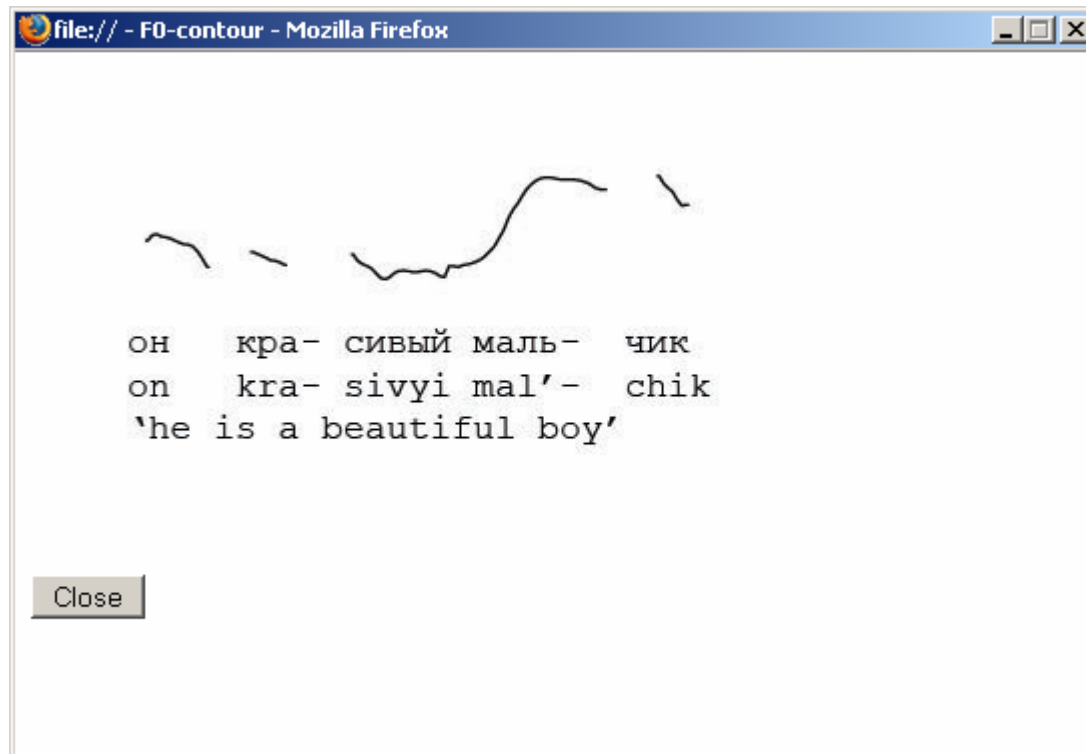
Exercise 1A:



%L --- --- --- %

1 он красивый мальчик
 on krasivyi mal'chik
 'he is a beautiful boy'


---	---	---	---	---
---	---	---	---	---
---	---	---	---	---




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Exercise 1A:




1 он красивый мальчик
 on krasivyi mal'chik
 'he is a beautiful boy'



---	No symbol			---
---	H*M	---	---	---
---	---	---	---	---

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Exercise 1A:



⏪ ▶ ▼ %L --- H*M --- %


1 он красивый мальчик
 on krasivyi mal'chik
 'he is a beautiful boy'

---	No symbol	---	---	---
---	H*M	---	---	---
---	---	---	---	---

Contour Check Key Function

Item Prev 1 2 3 4 5 6 7 8 9 10 Next

[JavaScript Application]


 answer is not correct

OK

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Exercise 1A:



1 он красивый мальчик
on krasivyi mal'chik
'he is a beautiful boy'

---	No symbol	---
---	H*M	---
---	---	---

Contour Check Key Function

Item Prev 1 2 3 4 5 6 7 8 9 10 Next

[JavaScript Application]

answer is correct

OK

Start

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18:02

Exercise 1A:



⏪ ⏩ ▾ %L --- --- Н*М %

1 он красивый мальчик
on krasivyi mal'chik
'he is a beautiful boy'

---	No symbol			---
---	Н*М	---	---	---
---	---	---	---	---

Contour Check Key Function

Item Prev 1 2 3 4 5 6 7 8 9 10 Next





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