

The Essence of a Syllable in the Phonetic and Phonological System of Languages

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Abstract:

A syllable is a complicated phenomena in a language's sound system because of its intrinsic phonetic characteristics. The article examines the phonological and phonetic characteristics of a syllable and defines it as a super-segmental level unit in a language's sound system.

Keywords: syllable, innate articulatory, super-segmental, semantics, linguistics.

In a language's sound system, a syllable with innate articulatory and linguistic qualities is a complicated phenomenon. Since a syllable is structurally identical to the vowel phoneme that underlying its structure, some linguists believe that a syllable can be traced to a set of segmental phonetic means. As stated in the speech chain, "phonemes and morphemes are linear or segmented units, that is, those that are represented by segments of one or more lengths (backgrounds, syllables in speech)." In human civilization, speech is a stream of sounds that are separated into statements of different lengths based on the semantics that may be explained. Words are heard inside these assertions. According to linguistics, intonation is the change in pitch that is used to control the discourse flow, emphasize or focus a statement, indicate the illocutionary act that a phrase performs, or convey the speaker's attitudes and feelings. When the English question "Does Maria speak Spanish or French?" is stated with a single rising intonation contour, it is regarded as a yes-or-no inquiry; but, when it is uttered with a rising contour on "Spanish" and a falling contour on "French," it is interpreted as an alternate question. Despite being essentially a question of pitch change, intonation's effects nearly invariably complement those of other prosodic elements. Tone, the phenomena where pitch is utilized to mark grammatical elements or to separate words (as in Mandarin), is different from intonation.

Most transcription conventions have been devised for describing one particular accent or language, and the specific conventions therefore need to be explained in the context of what is being

described. However, for general purposes the International Phonetic Alphabet offers the two intonation marks shown in the box at the head of this article. Global rising and falling intonation are marked with a diagonal arrow rising left-to-right [↗] and falling left-to-right [↘], respectively. These may be written as part of a syllable, or separated with a space when they have a broader scope:

He found it on the street?

[hi: 'faʊnd it ɒn ðə ↗'stri:t ||]

Here the rising pitch on *street* indicates that the question hinges on that word, on where he found it, not whether he found it.

Yes, he found it on the street.

[↘'jes || hi 'faʊnd it ɒn ðə ↘'stri:t ||]

How did you ever escape?

[↗'haʊ dɪdju: 'evə ə↘'skeɪp ||]

Here, as is common with *wh*- questions, there is a rising intonation on the question word, and a falling intonation at the end of the question.

In many descriptions of English, the following intonation patterns are distinguished:

- *Rising Intonation* means the pitch of the voice rises over time.
- *Falling Intonation* means that the pitch falls with time.
- *Dipping* or *Fall-rise Intonation* falls and then rises.
- *Peaking* or *Rise-fall Intonation* rises and then falls.

It is also common to trace the pitch of a phrase with a line above the phrase, adjacent to the phrase, or even through (overstriking) the phrase. Such usage is not supported by Unicode as of 2015, but the symbols have been submitted.

The scientific literature refers to super-segmental aspects of language's sound matter as prosodic phenomena. These include melodics, which are movements of the voice's main tone pitch, tempo and sound intensity changes, the use and character of pauses, and timbre traits. N.S. Trubetskoy refers to the syllable as the minimum prosodic unit in certain languages, with a "syllabic carrier"; in other languages, it refers to the moment at which a short word, or mora, is pronounced. He so distinguishes between "syllabic-counting" and "drizzle-counting" languages. According to N.S. Trubetskoy, "prosodeme" refers to the syllable in syllable-counting languages and the mora in morosecoding languages. In syllabic languages, prosody is characterized by intensity, while in drizzle-counting languages, it is characterized by tone. The majority of languages used for research, such as German, Russian, and Kyrgyz, are syllabic. The "prosodic differentiating traits" in N.S. Trubetskoy's *Fundamentals of Phonology* are supersegmental units. Phrasal intonation, phraseological register opposites, phrasal stress, phrasal pauses, intensity, and phraseological prosodic opposites are some examples. Accordingly, N.S. Trubetskoy states: "...each prosodeme has its own characteristic, so that in a word that consists of a number of prosodemes, they can all be either the same in relation to this feature, or different in different sequences" when discussing a prosodeme that serves a semantic (distinctive) purpose. The scholarly literature on the issue of "prosody"—supersegmental units—highlights a particular area of phonetics. According to conventional wisdom, prosody is a super-segmental level of language that includes stress and intonation. Statements are always used to explain syllable, stress, and intonation.

Vowel and consonant harmony and synharmonics in prosody are of particular relevance when combining prosodic phenomena, or supersegmental units. The quality of the syllable and the word overall is determined by the synharmonics of the Turkic languages, including Uzbek. One "likeness" that is present in many languages, including German and Russian, is synharmonics, which results in variations in the sounds within a word. Since syllables are intimately associated with prosodic features of the sound continuum, such as stress, duration in time, reduction, and melody, another set of scientists identifies them as supersegmental phonetic units. At the suprasegmental level, a syllable might serve as a minimum vehicle of information, or intonation. According to our perspective, the syllable is a part of the language's supersegmental level of the phonetic system. A block of neurophysiological commands to the muscles sets the syllable, which is realized as a complex homogeneous unity of sounds rather than a simple sequence of phonemes and sounds: "... the syllable is realized not as a sequence of its constituent sounds, but as an integral articulation complex." "A syllable is a phonetic and phonological unit occupying an intermediate position between sound and speech beat" is the recognized definition of a syllable in modern linguistic study.

From a phonetic unit perspective, a syllable is defined by the renowned Russian scientist R.K. Potapova as a unity of segmental and supersegmental units that constitute the smallest "quasi-stationary" structure. In speech, a syllable is distinguished by specific auditory and articulatory indicators. Additionally, he highlights that every language has its own phonotactic laws, which dictate how phonemes are arranged into certain syllabic structures that are altered in voice communication depending on the language's articulation foundation. The smallest unit in which the elements of the accentual-rhythmic structure—that is, verbal stress—are realized is called a syllable. In contemporary linguistics, there is no standard theory of syllable. The primary three ideas are the most well accepted, while there are other more that are more or less well-known. First, the notion of implosion (closure) and explosion (opening) holds that the syllable's natural bounds are these two acoustic-articulatory events. According to the theory's creator, F. de Saussure, the syllable is a phonetic-phonological phenomena that falls between implosion and explosion. "A specific effect that is indicative of the syllable division occurs at the transition in the sound chain from inhalation to exhale (> | <)."

The second is the syllable sonority theory, which was created by renowned Soviet scientist E.D. Polivanov. Vowels and consonants combine to form syllables, according to this idea. Less sonorous phonemes are clustered around more sonorous ones, which invariably make up the top of the syllable. "A syllable is a speech segment that has one relative rise in sonority, or acoustic effectiveness, between two sonority-weak instances." The so-called hypothesis of muscular tension of articulatory organs is the final and third theory. L.V. Shcherba, a well-known Soviet linguist, suggested it. The articulatory physiological organs of a person in speech production are given priority by the scientist in order to comprehend the syllable. "A phoneme known as a syllabic phoneme, or syllabic phoneme, is located in the middle of each syllable and can be roughly stretched without becoming weaker or stronger. It may be preceded by a collection of sounds known as non-syllabic, which form a chain of sounds that are constantly amplified. Several sounds that form a steadily decreasing chain after a syllabic phoneme are also referred to as non-syllabic or non-syllabic. According to this theory, the speech-producing organs' muscles are stretched, fixed on the syllabic phoneme, and then weaken during the generation of a syllable.

We adopt the latter hypothesis since, in our opinion, it more closely reflects reality than the others because syllables are formed precisely as this theory suggests. Experimental linguistic studies that depict the articulation and perception of sound flow and syllables precisely in the viewpoint as it is provided in the theory of muscular tension have several confirmations.

Thus, the theory of muscle tension proposed by scholar L.V. Shcherba serves as the foundation for our comprehension of the theory of syllable. This theory states that the syllable should be viewed as a single articulatory-acoustic complex unit that corresponds to the exhalation impulse that takes place during speech production and is generated in its composition and with its assistance. "A syllable is a complicated phonological unit; it is like an arc of muscle tension that increases gradually, peaks, and then gradually decreases". The sound side of a word is divided into smaller parts called syllables, which are made up of many sounds that are situated in the word's immediate "neighborhood." A single vowel sound segment is the smallest "limit" of a syllable. In the Russian language, the highest syllable is one that corresponds to the word form. It is a common concept of the syllable in contemporary Russian linguistics. A phonetic syllable, for instance, is defined as the segments of a word that separate when it is uttered slowly. One vowel sound or a combination of a vowel sound and consonant sounds clustered around it can make up a phonetic syllable.

REFERENCES:

1. Tolibovna, Y. Z., & Nodirovna, B. S. (2021). Phonetic figures of speech and super segmental phonetic devices. *ACADEMICIA: An International Multidisciplinary Research Journal*, 11(3), 910-917. <https://www.indianjournals.com/ijor.aspx?target=ijor:aca&volume=11&issue=3&article=150>
2. Tolibovna, Y. Z. Expression of Connotative Meaning in Intonation. *JournalNX*, 7(03), 383-386. <https://www.neliti.com/publications/343131/expression-of-connotative-meaning-in-intonation>
3. Yadgarova, Z. (2021). Intonatsiya va pauzaning uslubiy xususiyatlari. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.Uz)*, 6(6).
извлечено от https://journal.buxdu.uz/index.php/journals_buxdu/article/view/3090
4. Ядгарова Зебинисо Толибовна. (2023). Слог как суперсегментная единица. *International Conference on Research Identity, Value and Ethics*, 448–451. Retrieved from <https://www.conferenceseries.info/index.php/ICRIVE/article/view/998>
5. Yadgarova, Z. (2023). SUPER-SEGMENT PHONOSTYLISTICS: PITCH, LOUDNESS, AND LENGTH OF SOUNDS. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.Uz)*, 34(34).
извлечено от https://journal.buxdu.uz/index.php/journals_buxdu/article/view/9729
6. Yadgarova, Z. (2023). Importance of Teaching the Pronunciation of Suprasegmental Features of English. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.Uz)*, 34(34).
извлечено от https://journal.buxdu.uz/index.php/journals_buxdu/article/view/9726
7. Yadgarova, Z. (2023). NUTQ ZANJIRINI HOSIL QILINISHIDA SEGMENT VA SUPERSEGMENT ELEMENTLARNING ROLI. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.Uz)*, 34(34).
извлечено от https://journal.buxdu.uz/index.php/journals_buxdu/article/view/9730
8. Yadgarova, Z. (2023). RITM, QOFIYA, INTONATSIYA. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.Uz)*, 34(34).
извлечено от https://journal.buxdu.uz/index.php/journals_buxdu/article/view/9727
9. Yadgarova Zebiniso Tolibovna. (2023). IMPORTANCE OF TEACHING THE PRONUNCIATION OF SUPRASEGMENTAL FEATURES OF ENGLISH. *INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH* ISSN: 2277-3630 Impact Factor: 7.429, 12(05), 32–35.
Retrieved from <https://www.gejournal.net/index.php/IJSSIR/article/view/1745>

10. Yadgarova Zebiniso Tolibovna. (2021). EXPRESSION OF CONNOTATIVE MEANING IN INTONATION. *JournalNX - A Multidisciplinary Peer Reviewed Journal*, 7(03), 383–386. Retrieved from <https://repo.journalnx.com/index.php/nx/article/view/2791>
11. Tolibovna, Y. Z. (2023). SIMILARITIES AND DIFFERENCES OF SEGMENT DEVICES IN UZBEK AND ENGLISH LANGUAGES. *Finland International Scientific Journal of Education, Social Science & Humanities*, 11(6), 41-47.
12. Tolibovna, Y. Z. . (2023). NUTQ ZANJIRINI HOSIL QILINISHIDA SEGMENT VA SUPERSEGMENT ELEMENTLARNING ROLI. *Integration Conference on Integration of Pragmalinguistics, Functional Translation Studies and Language Teaching Processes*, 85–87. Retrieved from <https://conferenceseries.info/index.php/online/article/view/972>