The linguistic knowledge and statistic parameters are important part of speech technology applications. Phone duration could be used effectively in speech modelling for both, text-to-speech and speech-to-text systems. Parameter of phoneme length is also often used in prosodic models for systems of automatic detection of punctuation and segmentation into sentences or topics. It was observed that speakers usually tend to slow down their speech toward the ends of utterance units. The phenomenon was described for other languages, e.g. English, Hungarian, Czech, Japanese.

The weighted average of phoneme duration was 104 ms. Mean durations and their standard deviations of phonemes from the database

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