

Triphone meanings co-determine tongue shape during

articulation: An ultrasound study

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Main Point

Greater semantic contribution by the suffix triphone \Rightarrow More bulged shape of the tongue



- Stem vowel = [a:]
- -Suffix = [t] or [n]
- -4 surroundings conditions

Pronoun [-iː] [-iv] • Analysis

Predict ultrasound images as images



Consistency \rightarrow Brigher

Semantic Contribution: *Functional Load*



References

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[2] Andreas Müller. Analyse von Wort-Vektoren deutscher Textkorpora. Bachelor's thesis, Technische Universität Berlin, 2015. URL https://devmount.github.io/GermanWordEmbeddings. [3] Simon N. Wood. Generalized Additive Models: An Introduction with R. CRC Press, Boca Raton, Florida, U.S.A., 2006. ISBN 9781420010404.