

②(永尾班)

Project T Elucidating the Mystery of Finger Snapping

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Abstract

We focused on and examined the bending and stretching of the middle finger, the T-space, and sound features in the finger snapping.

1 Introduction

When we researched finger snaps on the Internet, we couldn't find a detailed explanation. So, we decided to check how the finger snapping makes sound and spread it to the world.

2 Theory and Experiment

We divided finger snapping action experimentation into 4 parts: bending and stretching the middle finger when snapping, the relationship between main sound and fricative sound, confirmation of finger acceleration values in previous research, how the sound is affected by the T-space.

3 Results and Discussion

The sound is about 10 times louder when you extend your middle finger during snapping. The finger snap and fricative waveforms are different. We were able to get similar numerical values in terms of reference times. The waveforms of the finger snap sound and the plosive sound were similar. When you fill in the T-space, the sound is about half as loud.

4 Conclusion

Whether the middle finger is bent or not has a difference to do with the loudness of the sound. The finger snap sound is different from the fricative sound. Plosives sound and the sound of finger snap has many similarities. T-space was related to the size of the finger snapping sound, and the presence of this made the sound of the finger snapping louder.

5 References

<https://royalsocietypublishing.org/doi/10.1098/rsif.2021.0672>

6 Key words

Finger snap Fricative Plosive T-space