

Spoken Dialog System based on Real-time Control of Dialog Tempo for Smooth Dialog

Faculty of Science and Technology



Associate Professor Ryota NISHIMURA

1) Research background

In recent years, **spoken dialog systems** such as Apple Siri have become widespread. However, **a smooth conversation** like a conversation between humans **cannot be performed**. To achieve this, the control of other elements is indispensable.

2) Research method

In this study, we <u>focus on the tempo</u> of the dialog (volume, pitch, speed, timing). The purpose of this research is to clarify the elements necessary for the user to use the spoken dialog system naturally and enjoyably.

3) Application

As a result of this research, it is **possible to realize a robot that can have more fun and smooth interaction** by being able to perform conversations with good tempo.

Not only that, this technology is indispensable as a means for inputting information to a spoken dialogue system, robot, and device.

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