Camellia Dragons

Open Research Challenge

Our team, Camellia Dragons, will demonstrate a sound-location estimation method using sound information without visual information.

Necessary items

We have a plan to use five NAOs and also a laptop for wireless connection. One NAO is used for a speaker, the other four NAOs work for microphones.

Procedure

At first, one NAO produces characteristic sound. This characteristic sound means that they can easily recognize even if surrounding environment is noisy. After the other four NAOs caught the sound, they calculate the location of the NAO which produces the sound using time difference between the first NAO which caught the sound and the other three NAOs.