[Summary of Invention]

[Technical Problem]
[0006]

For example, PTL 1 discloses a technique that applies signal processing to an object audio signal for presentation to a listener. Accompanying the spread of ER technologies and the diversification of services that use ER technologies, there is a demand for acoustic processing that is adapted to differences in, for example, the acoustic quality required for services, the signal processing capabilities of the terminals to be used, and the sound quality that can be produced in sound-presenting devices. Furthermore, providing this requires further improvements in acoustic processing techniques.
[0007]

Here, the improvement of acoustic processing techniques refers to changing existing acoustic processing. For example, the improvement of acoustic processing techniques provides processing that assigns new acoustic effects, a reduction in the amount of processing performed for acoustic processing, an improvement in the audio quality obtained by acoustic processing, a reduction in the amount of data for information used in performing acoustic processing, simplification of the acquisition or generation of information used in performing acoustic processing, or the like. Alternatively, the improvement of acoustic processing techniques may provide any combination of two or more of these.
[0008]

In particular, these improvements are required in apparatuses and services that enable a listener to freely move within a virtual space. However, the above-described effects that can be obtained by improvements in acoustic processing techniques are merely examples. One or more aspects understood based on the present disclosure may be an aspect arrived at based on a viewpoint that is different from that described above, an aspect that achieves results that is different from that described above, or an aspect that enables obtaining an effect that is different from those described above.

[Solution to Problem]
[0009]

According to a first aspect of the present disclosure, there is provided an acoustic processing device including: a circuit; and a memory, wherein using the memory, the circuit: obtains sound space information on a sound space; obtains, based on the sound space information, a characteristic regarding a first sound, the first sound

being a sound generated from a sound source in the sound space; and controls, based on the characteristic regarding the first sound, whether to select a second sound generated in the sound space in response to the first sound.

[0009a]

According to a second aspect of the present disclosure, there is provided an acoustic processing method including: obtaining sound space information on a sound space; obtaining, based on the sound space information, a characteristic regarding a first sound, the first sound being a sound generated from a sound source in the sound space; and controlling, based on the characteristic regarding the first sound, whether to select a second sound generated in the sound space in response to the first sound.

[0009b]

According to a third aspect of the present disclosure, there is provided a program for causing a computer to execute the above acoustic processing method.

[0010]

Note that these comprehensive or specific aspects may be implemented as a system, a device, a method, an integrated circuit, a computer program, or a non-transitory computer-readable recording medium such as a CD-ROM, or may be implemented as any combination of these.

[Advantageous Effects of Invention]

[0011]

For example, one aspect of the present disclosure may make it possible to provide processing that assigns new acoustic effects, a reduction in the amount of processing performed for acoustic processing, an improvement in the audio quality obtained by acoustic processing, a reduction in the amount of data for information used in performing acoustic processing, simplification of the acquisition or generation of information used in performing acoustic processing, or the like. Alternatively, one aspect of the present disclosure may make it possible to provide any combination of these. Consequently, one aspect of the present disclosure enables contributing to improving the acoustic experience of a listener by providing acoustic processing adapted to the listener’s usage environment.

[0012]

In particular, the above-described effects can be obtained in apparatuses and services that allow a listener to freely move within a virtual space. However, the above-described effects are merely examples of the effects of various aspects that are understood based