[0006]

In such a case, when the positions of the audio objects are remapped by the above technique, the positions after remapping are distorted. That is, a distortion occurs in a positional relation among the audio objects outside of the reproduction screen, and appropriate remapping cannot be realized.

[0007]

Embodiments of the present disclosure perform appropriate remapping.

[Solution to Problem]

[0008]

According to a first aspect of the present disclosure, there is provided an information processing apparatus including: a bit stream input section that inputs a bit stream including a position of an audio object and a position of a reference screen; an offset calculation section that calculates an offset amount of the position of the reference screen from the reference position present in a front direction of a user; a position correction section that corrects the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and a remapping section that remaps the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.

[0009]

[0010]

[0011]

[0012]

According to a second aspect of the present disclosure, there is provided an information processing method including the steps of: inputting a bit stream including a position of an audio object and a position of a reference screen; calculating an offset amount of the position of the reference screen from the reference position present in a front direction of a user; correcting the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and remapping the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.

[0012a]

According to a third aspect of the present disclosure, there is provided a computer readable medium containing program instructions for causing a computer to perform a method of: inputting a bit stream including a position of an audio object and a position of a reference screen; calculating an offset amount of the position of the reference screen from the reference position present in a front direction of a user;

correcting the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and remapping the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.

[0013]

According to the above aspects, an offset amount of a position of a reference screen from a reference position present in a front direction of a user is calculated, a position of an audio object referred with the reference position is corrected in conformity with the position of the reference screen on the basis of the offset amount, and the position of the audio object is remapped in conformity with a position of a reproduction screen on the basis of the corrected position of the audio object.

[Advantageous Effect of Invention]

[0014]

According to embodiments of the present disclosure, it is possible to perform appropriate remapping.

[0015]

It is noted that effects are not always limited to those described here but may be any of effects described in the present disclosure.

[Brief Description of Drawings]

CLAIMS:

1. An information processing apparatus comprising:

a bit stream input section that inputs a bit stream including a position of an audio object and a position of a reference screen;

an offset calculation section that calculates an offset amount of the position of the reference screen from the reference position present in a front direction of a user;

a position correction section that corrects the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and

a remapping section that remaps the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.

2. An information processing method comprising the steps of:

inputting a bit stream including a position of an audio object and a position of a reference screen;

calculating an offset amount of the position of the reference screen from the reference position present in a front direction of a user;

correcting the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and

remapping the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.

3. A computer readable medium containing program instructions for causing a computer to perform a method of:

inputting a bit stream including a position of an audio object and a position of a reference screen;

calculating an offset amount of the position of the reference screen from the reference position present in a front direction of a user;

correcting the position of the reference screen on the basis of the offset amount and corrects a position of an audio object referred with the reference position, in conformity with the position of the reference screen on the basis of the offset amount; and

remapping the position of the audio object in conformity with a position of a reproduction screen on the basis of the corrected position of the reference screen and the corrected position of the audio object.