International Journal of Advanced Smart Convergence Vol.4 No.1 35-39 (2015)
http://dx.doi.org/10.7236/IJASC.2015.4.1.35

IJASC 15-1-5

Presentation of budge sonance with small action on the body motion

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Abstract

This study was presented the small action by the budge sonance function. An estimation of budge sonance function was acquired displacements across all condition with a variation of small action. The budge sonance function was to be indicated to express the flow rate of body motion. Their function was suggested an issue of the action condition by budge sonance. This system was proposed a combination of the body motion and small action. The acquired sonance signal was to render the small action of body motion with budge sonance function. The analysis of budge function was generally realized a variation from displacements on the fast body motion. Budge sonance signal of action that vision condition was acquired to a variation of the Vi-β_{AVG} with (-4.954)±(-5.42) units, that vestibular condition was acquired to a variation for the Ve-β_{AVG} with (-2.288)±0.212 units, that somatosensory condition was acquired to a variation for the So-β_{AVG} with (-0.47)±0.511 units, that CNS condition was acquired to a variation for the C-β_{AVG} with (-0.171)±(-0.012) units. Budge sonance function was proposed the small action from axial action on body control. We know a body motion response from axial action was not only variation of budge sonance, but also body motion of fast body motion.

Keywords: *budge sonance function, small action, body motion, small action*

1. Introduction

Evaluation from a snare trajectory was observed for subjects with body action and for those with reaction of body during the stirring state by the disorder [1]. Feature of body showed that sway sonance is more considered their speedy in subjects with subjective quality who controlled normal balance. Their sway was correlated with the diffusing of function in facility of action [2]. Various body of function was investigated the advantage of specific evaluation of sonance on balance. An area that received a torsion function is the possible effect of facility of action on balance control. The results of dynamic action were showed the effect of body sonance in the stirring condition [3].

Manuscript Received: Jan. 10, 2015 / Revised: Feb. 5, 2015 / Accepted: Mar. 13, 2015
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In addition, the torsion of function was showed the budge-in sonance, and diffusing of function was showed the budge-out sonance. Their improvement was translated in balance of stirring [4].

The evaluation of sonance was measured to relation of axial of body sonance and budge action of body sonance. Their healthy of subjects was showed variability in stirring in-out sonance [5]. It appears that the stirring in-our sonance of reliability was detected the difficulty of balance task for control variability. The subject was involved to reduce the inter-subject sonance and out-subject sonance for swift in the body sonance [6-8].

2. Proposed method of budge sonance system for signal

A. System of budge sonance system signal

This system (Figure 1) was showed the small action on the body motion for budge sonance. Their acquired budge sonance signal was composed of a torsion data and diffusing data. The system was designed at evaluation of sonance that was measured the axial of body and action of sonance for achieving a signal data [9].

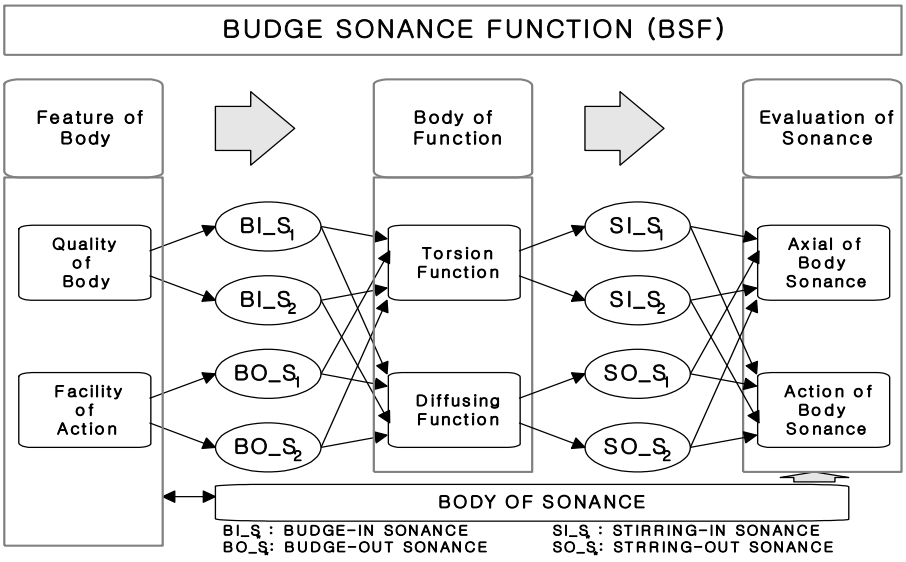

Figure 1. Proposed of the budge sonance system on the body

3. Results and Discussion

A. Database and Comparison of Bsf-$\beta_{MAX\text{-}AVG}$ and Bsf-β_{MAX} on the avg.

Budge sonance function (Bsf) of the vision (Vi-β) condition was verified a variation for the Bsf-Vi-β_{MAX} and Bsf-Vi-$\beta_{MAX\text{-}AVG}$ (Figure 2). The smaller variation difference between Bsf-Vi-$\beta_{MAX\text{-}AVG}$ and Bsf-Vi-β_{MAX} was with budge sonance motion in the opposite direction (Table 1). Bsf motion of vision condition was observed smaller variation with Bsf-Vi-$\beta_{MAX\text{-}AVG}$ of budge sonance motion in the opposite direction.

Bsf motion of vision watched small to act at (-0.84)±0.91 unit with Bsf-Vi-β_{MAX}. Bsf motion of vision showed to act smaller at 4.114±0.77 unit with Bsf-Vi-$\beta_{MAX\text{-}AVG}$. So, budge sonance motion in the opposite direction of vision was occurred a very small influence of an action. Bbf motion of visual condition was verified more important for small action with the visual characteristic function.

Budge sonance function (Bsf) of vestibular (Ve-β) condition was verified a variation for the Bsf-Ve-β_{MAX} and Bsf-Ve-$\beta_{MAX\text{-}AVG}$ (Figure 2). The diminutive smaller variation difference between Bsf-Vi-$\beta_{MAX\text{-}AVG}$ and Bsf-Vi-β_{MAX} was with budge sonance motion in the both direction. Bsf motion of vestibular condition was observed tiny smaller variation with Bsf-Ve-$\beta_{MAX\text{-}AVG}$ of budge sonance motion.

Bsf motion of vestibular watched tiny small to act at (-6.66)±1.16 unit with Bsf-Ve-β_{MAX}. Bsf motion of vestibular showed to act smaller at (-4.372)±0.948 unit with Bsf-Ve-$\beta_{MAX\text{-}AVG}$. So, budge sonance motion in the opposite direction of vestibular was occurred a very small influence of an action. Bbf motion of vestibular condition was verified more important for small action with the vestibular characteristic function.

B. Database and Comparison of Bsf-$\beta_{MAX\text{-}AVG}$ and Bsf-β_{MAX} on the max.

Budge sonance function (Bsf) of somatosensory (So-β) condition was verified a variation for the Bsf-So-$\beta_{MAX\text{-}AVG}$ and Bsf-So-β_{MAX} in the opposite direction (Figure 3). The slightly smaller variation difference between Bsf-So-β_{MAX} and Bsf-So-$\beta_{MAX\text{-}AVG}$ was with budge sonance motion in the both direction.

Bsf motion of somatosensory condition was observed slightly smaller variation with Bsf-So-$\beta_{MAX\text{-}AVG}$ of budge sonance motion. Bsf motion of somatosensory watched small to act at 0.52±0.447 unit with Bsf-So-β_{MAX}. Bsf motion of somatosensory showed to act smaller at 0.99±(-0.072) unit with Bsf-So-$\beta_{MAX\text{-}AVG}$. So, budge sonance motion in the opposite direction of somatosensory was occurred a very small influence of an action. Bbf motion of somatosensory condition was verified more important for small action with the somatosensory characteristic function.

Budge sonance function (Bsf) of CNS (C-β) condition was verified a variation for the Bsf-C-$\beta_{MAX\text{-}AVG}$ and Bsf-C-β_{MAX} (Figure 3). The very smaller variation difference between Bsf-C-β_{MAX} and Bsf-C-$\beta_{MAX\text{-}AVG}$ was with budge sonance motion in the opposite direction. Bsf motion of CNS condition was observed very smaller variation with Bsf-C-$\beta_{MAX\text{-}AVG}$ of budge sonance motion in the opposite direction.

Bsf motion of CNS watched small to act at (-0.275)±0.034 unit with Bsf-C-β_{MAX}. Bsf motion of CNS showed to act smaller at (-0.104)±0.047 unit with Bsf-C-$\beta_{MAX\text{-}AVG}$. So, budge sonance motion in the opposite direction of CNS was occurred a very small influence of an action. Bbf motion of CNS condition was verified more important for small action with the CNS characteristic function.

Table 1. Average of burdge sonance function measures to the various vision(Bsf-Vi $\beta_{MAX\text{-}AV}$), vestibular(Bsf-Ve $\beta_{MAX\text{-}AV}$), somatosensory(Bsf-So $\beta_{MAX\text{-}AV}$) and CNS(Bsf-C $\beta_{MAX\text{-}AV}$) condition. Average of Bsf- β_{MAX} and Bsf-$\beta_{MAX\text{-}AV}$

Average β	Vi β_{Avg}	Ve β_{Avg}	So β_{Avg}	C β_{Avg}
Bsf-$\beta_{MAX\text{-}AV}$	4.114±0.77	(-4.372)±0.948	0.99±(-0.072)	(-0.104)±0.047
Bsf-β_{MAX}	(-0.84)±0.91	(-6.66)±1.16	0.52±0.447	(-0.275)±0.034

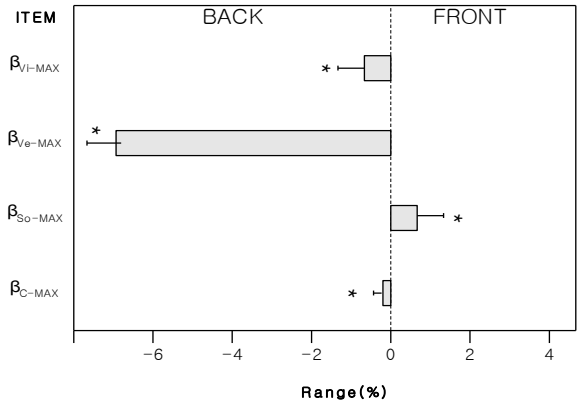

Figure 2. Average of burdge sonance function of max data for the front-back on the small action condition

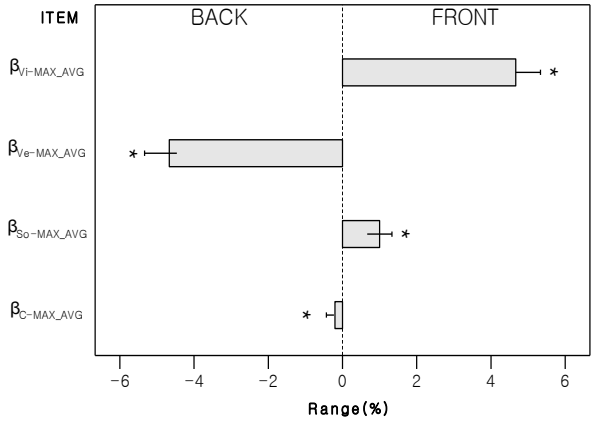

Figure 3. Average of burdge sonance function of max-avg data for the front-back on the small action condition

4. Conclusion

Small action of burdge sonance function was adduced to the motion objection with a displacement of small action from the axial action. Motion control of the burdge sonance was to be indicated to express the flow rate of body and the flow rate of body motion. The burdge sonance function was to be indicated to express by the axial action that the acquired sonance signal was suggested the small action of body motion. This function was rendered a formation of the action condition by burdge sonance. Their system was proposed a fast sonance with the body motion and small action. The sonance combination signal was rendered the small action of body motion with burdge sonance function. The analysis of burdge function was generally realized a variation from displacements on the fast body motion from the motion signal.

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