

5. DISCUSSION

While the results indicated here are just a preliminary evaluation of an on-going study, it seems that the addition of a vertical component appears to result in poorer localisation when compared to [6]. The ‘compression’ of the localisation within a relatively small area in front appears to be an interesting phenomenon, possibly driven by an evolutionary adaptation. The level of externalisation reported by participants though is encouraging. Based on these preliminary results we could possibly recommend that the element of height not be incorporated in to binaural spatialisation over a BCH. This is because the addition of a vertical component to a task which previously had only requested azimuth ratings appears to result in poorer measured localisation performance when compared to [6]. However, a full analysis of the results and comparisons with existing BCH and headphone studies needs to be carried out to judge the efficacy of the BCH in being able to reproduce a convincing percept of elevation.

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