

Review of: "Solving the naming ambiguity of auditory localization mechanisms: HRTF & HRSL, and ILD, ITD, IPD"

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Potential competing interests: No potential competing interests to declare.

The authors have raised concerns about potential ambiguity associated with the term "Head-Related Transfer Function" (HRTF). However, I am not entirely convinced that HRTF has distinctly different definitions in the two contexts. In both instances, HRTF refers to the acoustic impact of a listener's head and torso on the original sound signal. In the realm of auditory perception, the auditory system treat the HRTF-transformed sound as raw input and utilizes HRTFs to localize the original sound sources. Meanwhile, in the field of digital signal processing, researchers aim to measure the true HRTFs to approximate spatial audio for diverse devices. I am not fully convinced that HRTF only means the approximated signal processing technique.

To enhance clarity, it would be valuable if the author could expand the introduction section to offer a more comprehensive explanation of the ambiguity arising from the nomenclature of HRTF.