

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

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The author rightly notes that the HRTF value is used in two senses: a localization mechanism using sound reflection from the head and a technical modification of the acoustic signal using a perceptual localization mechanism. He proposes to leave the concept of HRTF in the sense of a technical modification, while for the perceptual localization mechanism to be named "Head Reflected Sound Localization" (Acronym: HRSL). Similarly, the author proposes to clarify the names of the ITD, ILD and IPD perceptual mechanisms by adding the suffix "F" (e.g. ITDF) when considering a physical feature of the sound or "P" (e.g. ITD.P) when referring to the perceptual mechanism.

The proposals are interesting, however, I believe that the name "Head Reflected Sound Localization" is imprecise, because it is not about localization of the sound reflected by the head, but about the perceptual localization of a physically existing sound source using the sound reflected from the head (and torso). So it should be precise: Sound Localization Utilizing Reflections from Head and Torso (Acronym: SLURHT). The author can suggest his own name or discuss my proposal in the article, but I doubt that these modifications will be accepted. The name HRTF has already grown into practice. Nevertheless, I support the publication of the article in QEIOS, because the matter is worth discussing in the acoustics community - both by psychoacousticians as well as electroacousticians. Similarly, the "F" and "P" suffixes refer to spatial perceptual mechanisms or modifications of signals that use these mechanisms.