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A Note on Symmetric Matching of Joint Presentations

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In a previous paper, titled "A psychophysical theory of intensity proportions, joint presentations, and matches," the theory was based on asymmetric matches by intensities in a single component to the joint presentations of pairs of intensities (measured above threshold) in the two components. For example, in the case of loudness, an intensity pair to the two ears is matched by an intensity to the left ear with 0 intensity to the right ear. Realizing this experimentally has encountered difficulties and so the present note extends the theory to the use of symmetric matches with the same intensity in both components. The theory is both developed and its relation to the earlier one is worked out in detail.

Key words: joint presentation, symmetric matching