

The Influence of Music Education and the Order of Sounds on the Grouping of Sounds into Sequences of Six Tones

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Abstract : This paper discusses an experiment conducted with two groups of participants, composed of musicians and non-musicians, in order to investigate the impact of the speed of a sound sequence and the order of sounds on the grouping of sounds into sequences of six tones. Significant differences were observed between musicians and non-musicians with respect to the threshold sequence speed at which the sequence was split into two streams. The differences in the results for the two groups suggest that the musical education of the participating listeners may be a vital factor. The criterion of musical education should be taken into account during experiments so that the results obtained are reliable, uniform, and free from interpretive errors.

Keywords : auditory scene analysis, education, hearing, psychoacoustics

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