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Spectral and integral assessment of noise 38

***Abstract***

***Noise levels are taken to assess the spectrally (curves NR, NC) and integrally (dBA). The relation between the spectral and integral assessments is established by standards as a number Δ that is added to the index of the spectral curve to obtain an integral assessment. In our standards Δ = 5 dB. The calculations showed that the actual difference between the index in NR and integral assessment in the dBA significantly more than the accepted value (5 dB), especially at low noise levels. This can lead to ambiguous assessment of the noise environment in the listening rooms.***

***Keywords: Noise level, spectral assessment, integral assessment, standards***

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