The Use of Psychoacoustic Parameters of Noise to Assess Negative Effects on Human Health

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Abstract: The negative impact of noise on human health has been studied. To determine the degree of negative impact of sounds and noises, special psychoacoustic signs are considered that describe the nature of perception of certain audio signals by the auditory system. An auditory examination was carried out and results were presented confirming the connection between psychoacoustic signs and a person's reaction to irritating noise. The study revealed that the fundamental parameter for determining psychoacoustic irritation is loudness, but this factor is not a single one.