

교통소음과 컴퓨터 소음의 감성반응에 대한 연구

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Subjective Evaluation of Transportation and Computer Noise

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Key Words : 교통소음(Traffic Noise), 컴퓨터 소음 (Computer Noise), 청감실험(Auditory Perception Test), 상·하한치(Upper/Lower Limit)

Abstract : The purpose of this study is to propose indoor noise level in residential buildings affected by transportation noise (road traffic, railway and air-craft noise) based on subjective evaluations. 30 subjects participated in the experiment to evaluate the noise. Experimental environment reproduced real living and office environment, and in asking subjects' annoyance to the noise. An experiment to investigate the subjective responses to various computer noises (CD-Rom, HDD, Fan) in office environment was also undertaken. The Result shows that the lower limit of transportation noise is 40~41dB(A) and upper limit is 55~60dB(A), whereas the lower limit of various computer noises is 36~40dB(A) and upper limit is 45~52dB(A).

발파 진동 평가의 문제점과 개선방안

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Comparison of Assessment method of Blast Vibration

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Key Words : blast vibration, vibration assessment

Abstract : The blast vibration can generate occupants dissatisfy as well as damage of physics nearby building. Then blast vibration estimation issue important problems. But, now blast vibration prediction inside-outside country not established objective method according to blast number to express magnitude of vibration. In this study, Our propoes show our country problem of blast vibration about blast vibration measurement and this problems be able to find improve method.