

THE DETERMINATION OF THE STATIONARY WAVES THROUGH GENERATING OF THE SINUSOIDAL SIGNAL AND WHITE NOISE IN THE PASSENGERS' COMPARTMENT

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Abstract

The aim of this paper is to find the stationary waves (stationary frequency) of passengers' compartment through the sinusoidal signal generation. Also, through the white noise generation and after the spectral analysis the presence has been checked if resonances in the case of random excitation at the respective frequencies. For a very accurate analysis, the measurements had been performed with the microphones and the loud-speaker located in different points of passenger' compartment.

Keywords

Passengers' compartment, vibrations, stationary waves, frequency analysis