

VIBRATIONS ANALYSIS OF A HEAVY TRUCK WITH TWO IDENTICAL ENGINES

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Abstract: In the paper are presented some properties to vibrations of a symmetrical mechanical system. The theoretical background was presented previously (Mangeron & al, 1991), (Vlase, 1987, Vlase, 2007). The results are applied to a heavy vehicle with two identical engines. The presented researches can play an important role in a practical situation, studied by INAR SA Braşov in a research project.

Keywords: vibrations, mechanical symmetries, engine, mathematical model, eigenvalues

