

UDC 681.5.015:658.786

*I. G. Kirichenko, Doctor of Technical Sciences, Professor,
O. V. Yefimenko, Ph. D., Associate Professor
Kharkiv National Automobile and Highway University*

**MODERNIZATION OF SMALL-SIZED CONSTRUCTION
LOADER WITH REGARD DYNAMIC PROCESSES**

The question of computer modeling work equipment truck to improve its design is considered. The result of a work is a three-dimensional model of a new boom truck. The calculation is made by metal and classical method using Nastran.

Keywords: *finite element method, Nastran, maximum load, the versatility of the method, visualization.*