
Interactive methods used in carrying out and self-verification of home assignments in physics

© I.S. Yakovenko, A.V. Kupavtsev

Bauman Moscow State Technical University, Moscow, 105005, Russia

This paper discusses possibilities of using Maple program package by junior students of higher education institutions for self-verification of their assignments on physics. Self-verification is the key component of every technical project and also is primary element of education and self-study in natural sciences. Various methods and means of self-verifications are shown on example of carrying out students' assignment on damped oscillations.

Keywords: *Maple programming language, damped mechanical oscillations, computer self-test of physical problem solution.*

Yakovenko I.S., a student of the Physics Department of Bauman Moscow State Technical University. e-mail: yakovenko.ivan@bk.ru

Kupavtsev A.V., Ph.D., Assoc. Professor of the Physics Department of Bauman Moscow State Technical University. e-mail: avkup@bk.ru