

METHOD OF EFFECTIVE POTENTIAL FOR THE FACTORIZED OPEN-LOOP CONTROL OF CLASSICAL PARTICLE MOVEMENT

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Abstract. We propose the general form of Kapitza's effective potential method for a classical particle in the external field of a rapidly changing open-loop control force with factorized dependency on the spatial and time coordinates. The result is illustrated by the application to stabilize the harmonic oscillator in non-trivial stable point.

Key words: open-loop control

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