

NUMERICAL SOLVING OF THE MOTION EQUATIONS SPECIFIC TO SAFETY CLUTCHES

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Abstract: *The paper proposes an original algorithm for the solving of the motion equation systems, that model the dynamic behaviour of the safety clutches with balls. These equations are second order differential equations, inhomogeneous with variable coefficients, their solving being possible only by the application of two numerical solving methods. Finally it is presented the implementation of this algorithm for the dynamic modelling of the safety clutches working.*

Key words: *motion equations, dynamic modelling.*

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