

# ON THE DYNAMIC MODELING OF TRIPOD COUPLINGS WITH EXTERNAL CONTACTS

**Mihai Tiberiu LATEȘ<sup>1</sup>**

**Abstract:** *The paper presents some aspects regarding the dynamic modeling of the tripod couplings with external contacts; the inertia matrix for the input and output parts of the coupling are identified and Lagrange's equations are written. The dynamic equations are implemented in Matlab software and it is simulated the dynamical behaviour of the tripod coupling.*

**Key words:** *tripod coupling, dynamics, external contact.*

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