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Research in

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Res. Agr. Eng.

V. Šleger

Potential use of program Dynamic

modelling

Res. Agr. Eng., 50 (2004): 1-5

Program Dynamic Designer serves for kinematic and dynamical analysis of rigid body system. Models of springs and relations between force and spring deformation can be chosen and inserted into the system. In the article there is presented a model of flexibly fastened body. Result of dynamical analysis is dependence of selected point deflection on time (Figs. 5, 7, 8, 10). The results can be put to use in the design of spring-loaded parts of agricultural machines.

Keywords:

software Dynamic Designer; rigid body system; dynamical analysis; springs; dampers

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