

# **The Application of Matlab/Simulink for Control of Mechanisms with Parallel Kinematic Structure**

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The article deals with the design and simulation of created model of mechanism with parallel kinematic structure as an electro-mechanical system. Concretely it describes the basic steps of Stewart platform modeling, which should be used as a machine tool or robot with six linear actuators. The simulation model is composed from functional blocks represented each component with certain properties. The results should be used for simulation of mechanism's behavior as well as for generating of control algorithms for real functional prototype.