

Simulation of a tendon driven underactuated finger

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The paper presents the modelling technique of an underactuated finger of the Federico hand in Matlab Simulink. The hand is of the tendon driven anthropomorphic arm. The technique suggests the simulation of the tendon action on the phalanges including special hard stop option. On the base of the model created it was shown the effect of the change in parameters on the kinematics of the phalanges during grasping action.

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