

ME 581 Simulation of Multibody Dynamics

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M W F 12:20-1:10 316 Leonhard

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Syllabus available at <http://www.me.psu.edu/sommer/me581/>

What did Gruebler say about mobility?

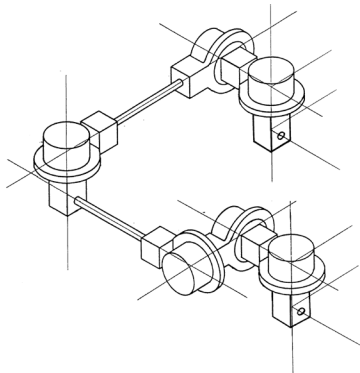
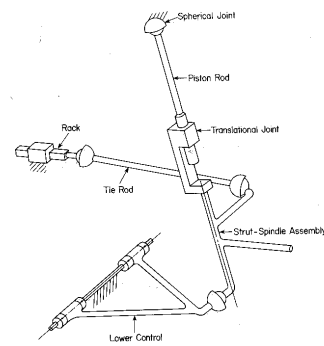
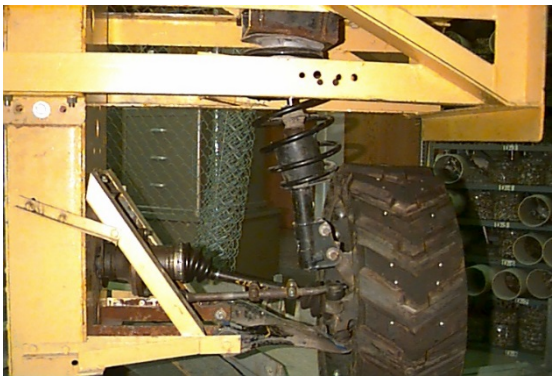
Does a McPherson strut have one, two or three loops?

MATLAB + Newton-Raphson = simple kinematic position solutions?

Jacobians? Who needs them?

What are Euler parameters and why are they useful?

Are 3D kinematics really as simple as 2D kinematics?



For the answers to these questions as well as many others about 3D kinematics and dynamics of multibody systems,

check out ME 581.

Note: ME 480, ME 481 and ME 580 are **not** prerequisites.