

Notes in MCEN 5115

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LIPOS and kinematics

gives us one 14.8 volt LIPO bat.
bad stuff happens when you overcharge or undercharge.
1 14 volt battery and another 7.2 volt.
Pretty ideal imo.

Kinematics:

Degrees of freedom:

pivot: simple pinned mechanism 1 DOF

slider: slides along, 1 DOF

Gruebler's equation:

$$F = 3(n - 1) - 2 * l - h$$

l is 1 degree of freedom pairs, n is the number of links.

kinematic synthesis

making a mechanism that goes exactly where you want it to go.