## Wrench Example

Wednesday, 3 November 2021 11:17 AM

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Wrenches = Forces + Torques  Mb=0.1 kg  Thf = [010 0 -0.1]  9 9=10 m/s <sup>2</sup>	Ad The - [100 000] - [10600 0] Fh
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ad This: 000000000000000000000000000000000000
$Ad_{Tab} = \begin{bmatrix} R & O \\ IPIR & R \end{bmatrix}^{6\times6} \qquad Tab = \begin{bmatrix} R & P \end{bmatrix}^{4\times4} \qquad \begin{bmatrix} P \end{bmatrix} = \begin{bmatrix} O & P_3 & P_2 \\ P_3 & O & P_1 \\ P_2 & P_1 & O \end{bmatrix}$	_
Fn = [0 0 00 - 54 0] Fb = [0 0 0 0 6 14]	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $
Fr = Adry Fn + Adry Fb = [0 0 -0.5 0 -5 0] + [0 025 0 -10]	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
= [0 0 -0.75 0 -6 0]	L ~