

7. ENERGY CALCULATIONS

Theta [deg]	Theta [rad]	Mass [kg]	Torque [N*m]
95	1.65722222	0	0
88	1.53511111	0.18	0.12348
71	1.23855556	0.34	0.23324
55	0.95944444	0.44	0.30184
44	0.76755556	0.53	0.36358
35	0.61055556	0.65	0.4459
30	0.52333333	0.7	0.4802
19	0.33144444	0.82	0.56252

hopper mass 0.03 kg

moment arm .07 m

