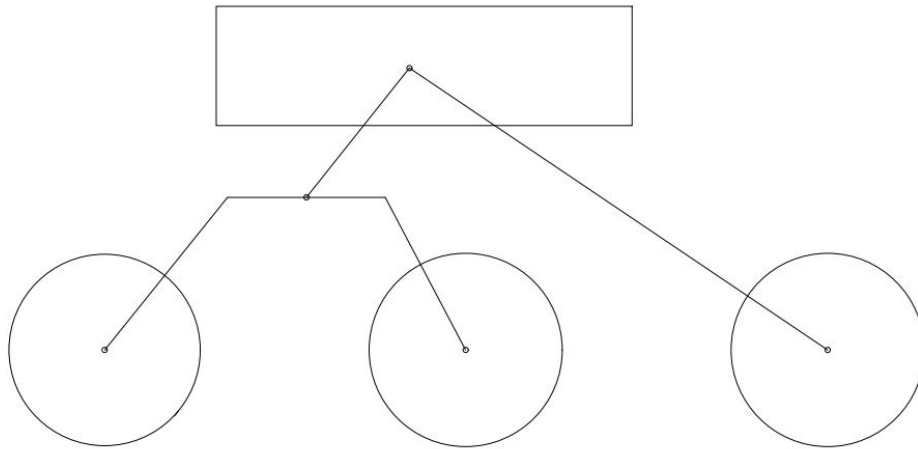
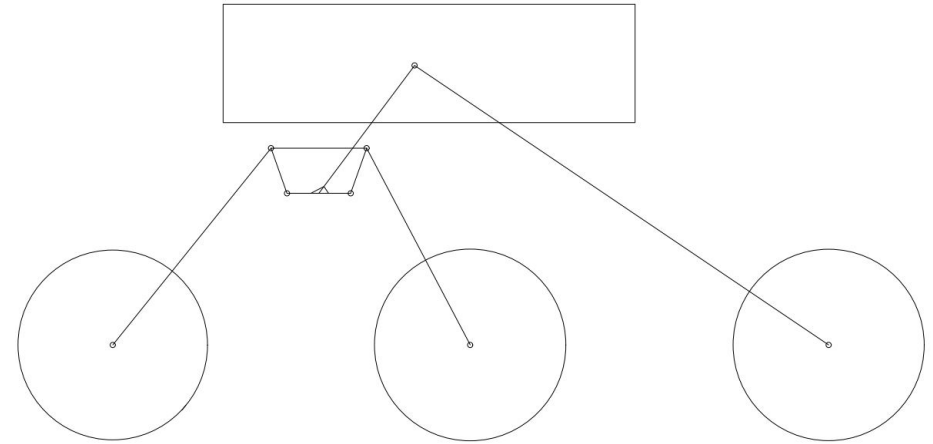


Preliminary Design

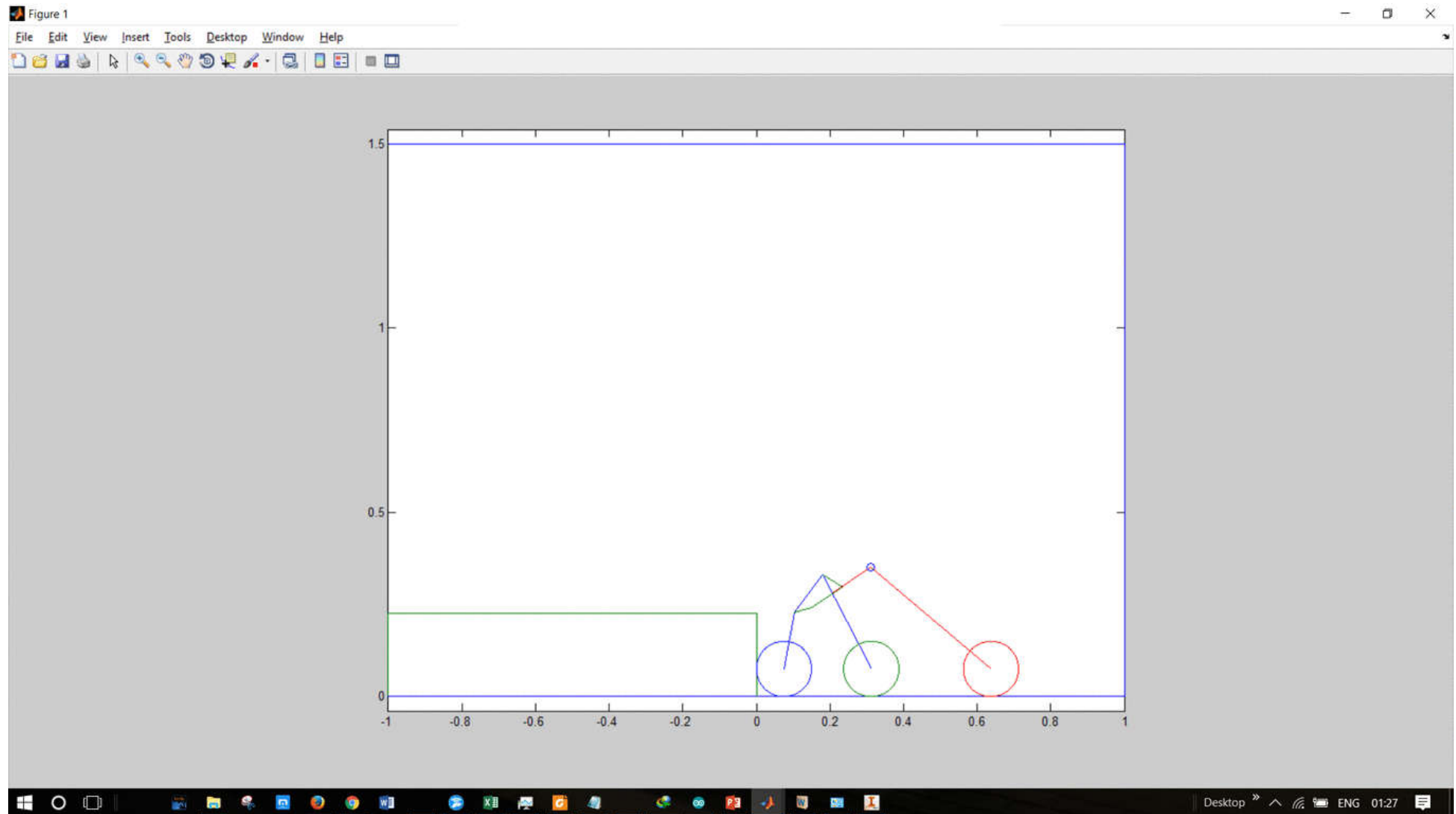


Rocker- Bogie



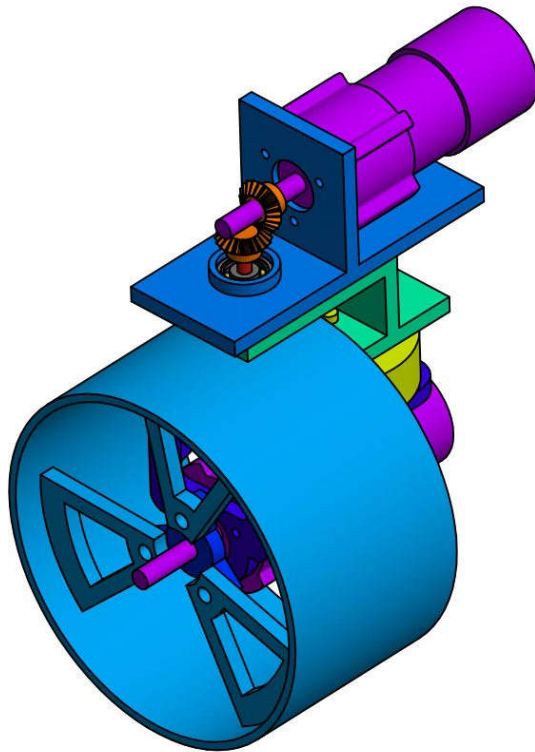
Rocker- Bogie with Four Bar

Rover	μ_{req}
Thomas Thueer's Study on Mars Rover (RB)	0.62
Sam Noble sir's optimized RB design	0.4568
My Design RB with a Four Bar	0.3069 and 0.2646

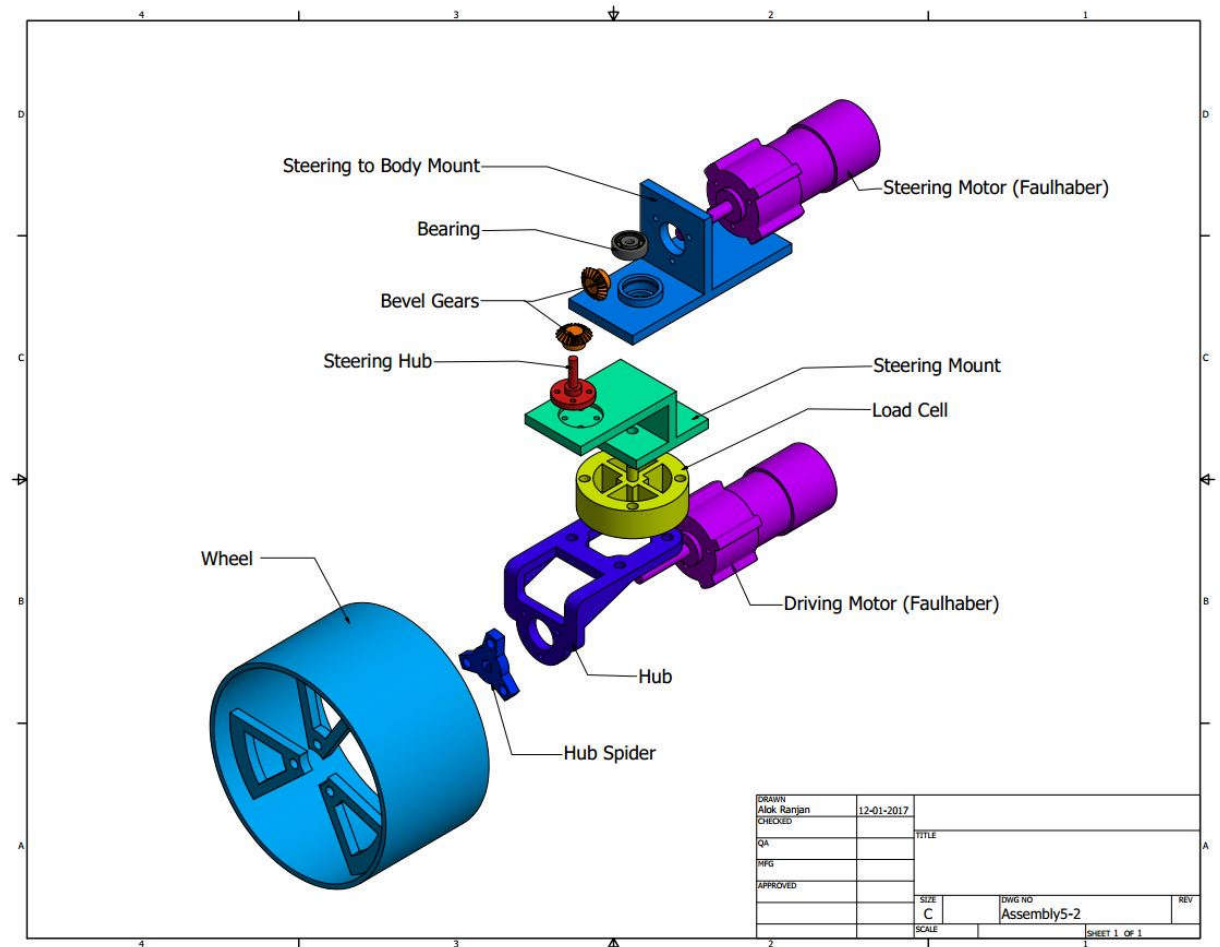


Sequence of rover climbing a step for ($\mu = 0.3069$)

Wheel Sub-assembly



Assembled view



Exploded view

Motor Testing and Characterization

Test setup to be included



Hercules Lite 6V-
16V, 8Amp Motor
Driver with
Current Sensing



Faulhaber Motor