How to use PROPELcalc

(it is quite easy)

First, Select your combustion cycle

Select your combustion cycle

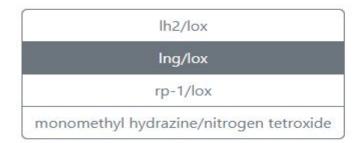
Full flow stage combustion	
Expander cycle	
Electric motor	_
Gas generator cycle	
Staged cycle	

Then select your propellant type.

Select propellant type

If your propellant type isn't available. The simulation will be run by the parameters entered by the user

ENSURE ALL UNITS ARE SI UNITS



Then fill up your parameter such as specific heat ratios, specific gas constants, and ETC.

onter enecific heat ratio
enter specific heat ratio
enter combustion temp
enter combustion pressure
enter specific gas content
enter expansion ratio
enter mass flow rate
enter nozzle exit pressure
enter oxidizer to fuel ratio
enter thrust
gravity at altitude

Finally, you can run and save your simulation!

Simulation results:

Run Simulation 🗣 Save Results 🖬

Thank you for listening!

We hope you have a GREAT time using

PROPELcalc.