SEMOR User Manual

Compiling

Commands sequence (assuming to be in the SEMOR folder):

1. cd build
2. cmake ../ && make

Execution

The first execution of SEMOR will terminate instantly. This execution just creates the default configuration file "*semor.conf*" in the *SEMOR* folder.

Initialize *semor.conf* with the needed values.

Before executing the software, lay the PID down in the initialization coordinates and wait until "End initialization" is printed out in the screen. After that you can wear the PID and you are ready to go.

Commands sequence (assuming to be in the SEMOR folder):

1. bin/semor

Configuration file

Do not put spaces inside values of the configuration. For example "tcpsvr://:8085" is okay, but "tcpsvr://: 8085" (notice the space before 8085) will result in a malformed input and SEMOR can't recognize it as an error (it will, wrongly, go on with the execution). In this case str2str will receive only "tcpsvr://:" and not the full "tcpsvr://:8085".

Description of some parameters:

- debug: when set to 1 SEMOR will get as input the data from files in */test* folder. The files' names are required to be gps.pos, galileo.pos and imu.csv.
  When set to 0, the values specified in configuration are used (str2str-in, str2str-out1-port, str2str-out2-port).
- logs: when set to 1, logs files containing coordinates will be written inside the */logs* folder.
- For the IMU parameters you, usually, want to modify only the sample rate.
- For the Initialization coordinates (init-x, init-y. init-z) you have to set the coordinates of the initialization process (in which you lay the PID down for some seconds).