In the config.ini there are the following sections: [MAIN], [ACCELEROMETER], [GYROSCOPE] and [GRAPH].

The MAIN section is for the configuration of the general constants. The following values can be specified:

Key	Description
$names$	Name of the probes used. Separated by a comma. Ignores if filenames_auto is false.
$filenames$	The path where the files are stored. Ignored if filenames_auto is true.
$measurements$	What series of measurements has been performed. Separated by a comma. Ignores if filenames_auto is false.
m	Mass of the spheres in kg. The default value is: 0.01496.
r	Radius of the spheres in m. The default value is: 0.02925.
$filenames\_auto$	Whether the file names should be generated automatically. If true names and measurements must be given. The default value is: True.
do_output	Whether to create a file with the calculated energies. Currently it should be set to false for more than one file. The default value is: False.

The ACCELEROMETER section for the configuration of the constant of the processing of the acceleration.

Key	Description
$error$	Value for error smoothing. The default value is: 0.001.
$trajectory$	Whether to generate the trajectory. The default value is: $false$.
$sensorpos$	Where the sensor position is in relation to the center point. The default value is: $1.2, 7.4, 4.5$.
in_g	Whether the measurement results are given in factors of g. The default value is: $true$.
$g\_interfered$	Whether the measurement took place under the influence of gravity. The default value is: $true$.
$integration\_mode$	Which integration mode to use. The default value is: a.
$degree\_of\_spline$	Degree of the smoothing spline or points for averaging in both directions. The default value is: 50. Must be an integer.
$smoothes$	Positive smoothing factor. The default value is: 0.8.
$start\_velocity$	The starting speed of the sensors. The default value is: $0, 0, 0$.

The GYROSCOPE section for the configuration of the constant of the processing of the rotation speed.

Key	Description
$error$	Value for error smoothing. The default value is: 0.01.
in_grad	Whether the measurement results are given in degrees. The default value is: $true$.
$integration\_mode$	Which integration mode to use. The default value is: s.
$degree\_of\_spline$	Degree of the smoothing spline or points for averaging in both directions. The default value is: 5. Must be an integer.
$smoothes$	Positive smoothing factor. The default value is: 0.8.
$start\_rotation$	The starting rotation of the sensors. The default value is: $0, 0, 0$.

The GRAPH section is for customizing the display properties of the created graphs.

Key	Description
formatter	How many digits are displayed on the xy(z)-axis. The default is: $1.2e$.

The following options can be selected for $integration\_mode$.

Key	Description
i	Simple interpolation.
s	1-D smoothing spline fit.
a	Average with value and $\pm k$ values.