# Validations

During the past months we have constructed multiple (not yet finished) models. This file is meant to keep an overview of the validations that will need to be done during the testing phase of the motorcycle.   
  
For each case, please specify the following:

* What needs to be validated? (Which model/parameters)
* Which data do you need to be able to validate the model/parameters?
* How are you going to use these values for validation?
* How do we get the data?

### Point Mass Model

For this model, the model as well as the parameters will need to be validated.   
Data needed: Laptime, Acceleration profile, Energy Consumption, distance, parameter values.  
How: Acceleration data and Laptime can be compared to the results from the model, parameter values can directly be checked and updated.

We need to get the Laptime/Acceleration/Energy/distance from the Data Acquistion system and the parameters values by measurement.

### Nonlinear Matlab model

For this the model as well as the parameters will need to be validated

### Suspension Model: