

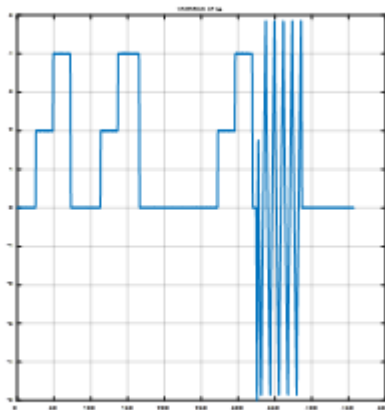
Readme- Analysis of Tire Test Data

Content

- *TireDataAnalysis.mlx*:
Script processes tire test data from acceleration / brake and cornering tests and returns the magic formula coefficients
- *[Folder] Functions*
 - *AverageSame.m*
 - *ImportRawDate.m*
 - *MagicFit.m*
 - *MagicFormula.m*
 - *MagicOutput.m*
 - *NonDimTrans.m*
 - *ResponseSuf.m*

Known limitations

- The scripts will show warnings / errors for unexpected test data, see screenshot as an example. A possible workaround is to manually exclude raw data from being put into bins (section "Create bins for data").



Planned next steps

- Validate how the tire model reflects reality;
we would need a validated vehicle model and simulate the model with the fitted data.

Your feedback is welcome!

Changelog

Version 1.0, July 2018