



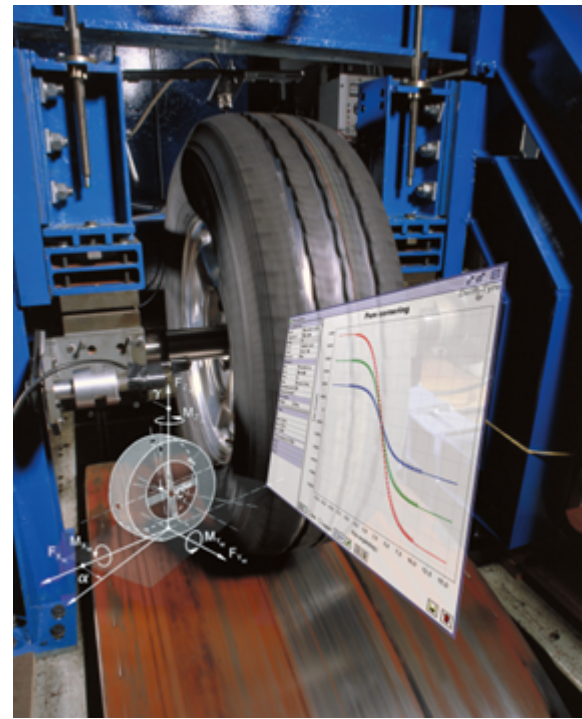
# MF-Tyre/MF-Swift 6.2.0.4

## Release Notes

**TNO**

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# 1 Contents of the 6.2.0.4 Release

This chapter describes the most important **changes** between the 6.2.0.3 and the 6.2.0.4 Release of MF-Tyre/MF-Swift.

**Note:** Only the ADAMS interface library (TNO\_DelftTyre\_Adams\_interface.dll) has been updated in this release, the tyre model kernel (TNO\_DelftTyre.dll) is unaltered. Hence, the version number printed by MF-Tyre/MF-Swift in the Matlab Command Window and/or ADAMS message file will remain 6.2.0.3.

## New Features

- **Compatibility on WINDOWS**

MF-Tyre/MF-Swift is now compatible with the latest versions of **ADAMS (2015.1)** and **MATLAB (R2016b)**. For ADAMS 2010 onwards, there is an important **notice**: the default solver has changed from Fortran to C. As there are slight differences between these solvers, extra care should be taken to set the **time-step** and **error** criterion **sufficiently small** when using the C solver.

- **Compatibility with ADAMS moving roads**

With MF-Tyre/MF-Swift is now possible to make use of the ADAMS moving road. For a more detailed description see the ADAMS Roads section of the User Manual.

**Note:** It is required to add the keyword ROAD\_SOURCE = 'MBS' in the tyre property file to select the ADAMS road formats.

**Note:** It is required to add the keyword STI\_ROA\_STA = 'YES' in the tyre property file to make use of the ADAMS moving road.

- **Loaded radius in ADAMS VARINF array**

With MF-Tyre/MF-Swift 6.2.0.4 the tyre loaded radius is given as an output in the VARINF array in ADAMS.

## Bug Fixes

- When running an ADAMS simulation with the C++ internal solver, the MF-Tyre/MF-Swift license was not returned, this issue is fixed in this release. The licenses is now returned to the license server when the simulation is rewinded to time 0s or when a new simulation is started.

**Note:** When running an ADAMS simulation with the C++ internal solver, the box "Hold License" must be set to "No"

## Discontinued

- From MF-Tyre/MF-Swift release 6.2.0.4 the compatibility with the following simulation packages be discontinued:

- ADAMS; versions 2013 and lower
- MATLAB; versions 2014 and lower

To make use of MF-Tyre/MF-Swift in these older ADAMS versions please install MF-Tyre/MF-Swift version 6.2.0.3.

- From MF-Tyre/MF-Swift release 6.2.0.4 will no longer contain 32-bit libraries, only 64-bit libraries are delivered with the installer.

## Known Issues

- When making use of the OpenCRG implementation in ADAMS v2015 in combination with MF-Tyre/MF-Swift the simulation will crash. As a workaround, one can make use of the OpenCRG implementation within MF-Tyre/MF-Swift, for a more detailed instruction see the TNO OpenCRG Road section of the User Manual.

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