# FTire

## Physical Tire Model.

## Full Tire Dynamics in Real-Time

**Mastering Speed and Complexity.**

**cosin**
scientific software

# FTire/core - Digital Twin

## FTire in the Office and in Real-Time.



Control

Wear

Misuse

Steering

Ride

Durability

Handling

NVH

Comfort

FTire

245/50 R18 97Y

Office

Real-Time

Testbed Systems

HiL Systems

Driving Simulators

One Tool, all Domains. A seamless Approach. Consistent. Trusted. Validated.

cosin
scientific software

# FTire/core - Digital Twin

## Mastering Speed and Complexity.

Control

Misuse

Wear

Ride

Steering

Durability

Handling

NVH

Comfort

FTire

245/50 R18 97Y

Real-Time

Testbed Systems

HiL Systems

Driving Simulators

No Magic. No Formula. Just Physics.

No Reduction. No Conversion. Just FTire.

Use the identical virtual Tire from trusted and validated Office Applications in Real-Time Environments.

No Smoothing. No Tandem-Egg. Just a high Resolution Surface.

UHD Road Surfaces

cosin
scientific software

# FTire/core - Digital Twin

## Hardware-in-the-Loop Environments.

Control

Misuse

Wear

Ride

Steering

Durability

Handling

NVH

Comfort

**Real-Time**

**Testbed Systems**

**HiL Systems**

**Driving Simulators**

**concurrent REAL-TIME**

MTS

**dSPACE**

AB Dynamics

VI-GRADE

cruden

**UHD Road Surfaces**

**Full Tire Belt Dynamics up to 200 Hz.**

# FTire/core: Full Tire Dynamics up to 200 Hz in Real-Time

Ride

Control

Steering

Handling

Comfort

Durability

Misuse

Wear

NVH

**Test-Drive NOW!**

**Feel the Difference.**

rFpro

FTire 245 50 R18 97Y

Vehicle Model

HEXAGON | MSC Software

DS SIMULIA

IPG | VI-GRADE

UHD Road Surface

AB Dynamics

cruden

VI-GRADE

**One virtual Tire for all Application Cases on the Driving Simulator.**

*Contact:*

**cosin scientific software AG**

**Hans-Stützle-Straße 20**
**81249 München**
**GERMANY**

**Tel.  +49 89 55288473**
**Fax. +49 89 55288474**

**sales@cosin.eu**
**www.cosin.eu**

**cosin**
scientific software