



Accurate · Fast · Robust · Versatile

SIMPACK CHAIN

Add-On Module

What is SIMPACK?

SIMPACK is a general-purpose multi-body simulation (MBS) software tool which is used to aid the development of any mechanical or mechatronic device, ranging from single components through to complete systems, e.g. wind turbines, vehicles, and high performance Formula 1 engines. All SIMPACK products are 100% compatible.

SIMPACK Chain is an add-on module tailored to the specific requirements of the chain drive simulation sector.

Applications:

- Timing mechanism analysis
- Accessory drive simulation
- General chain drive simulations
- Within complete engine simulations

Highlights:

- Parameterized chain model setup GUI including initial condition determination
- Scalable model detail and complexity, e.g. flex. chain guide bodies
- Substructure technique
- Re-use of verified components in SIMPACK complete system simulations
- Extreme non-linear system behavior
- Unlimited modeling flexibility
- Reasonable computation times due to SIMPACK specialized solvers and relative coordinate algorithm
- Batch jobs
- Interfaces to third party software



