

SimDriveline Release Notes

These Release Notes describe the new SimDriveline product, version 1.0. This release of the product is based on MATLAB Release 14.

The Release Notes discuss the following topics:

- “Introduction to SimDriveline” on page 1-2
- “Known Software and Documentation Limitations” on page 1-3

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Introduction to SimDriveline

SimDriveline is a new product in the Physical Modeling family that models and simulates drivetrain systems. With it, you can model bodies rotating around multiple driveline axes, connect them with gears, and create idealized powertrains with clutches, transmissions, and other dynamic elements and subsystems. SimDriveline also lets you actuate and measure rotational motion and torques by interfacing with normal Simulink signal lines and blocks. You can develop controllers with Simulink and connect them to SimDriveline models. With SimDriveline, you can model, simulate, analyze, and control the rotational motions of complex drivetrains.

Known Software and Documentation Limitations

The following sections discuss known software and documentation problems:

- “Known Software Bugs” on page 1-3
- “Documentation Limitations” on page 1-3

Known Software Bugs

This section includes a link to a description of known software problems in SimDriveline 1.0.

If you are viewing these Release Notes in PDF form, refer to the HTML form of the Release Notes, using either the Help browser or the MathWorks Web site, and use the link provided.

Documentation Limitations

The SimDriveline user’s guide is an advanced draft and the case studies of the "Modeling Drivetrain Systems" chapter are not complete.