

Simcenter 3D 2019.2 Series update

Welcome to Simcenter 3D

August 2019

Dear Customer:

We are proud to introduce the latest release Simcenter 3D 2019.2 v1880 of our product development solution. With this release, we continue to provide innovative ways to deliver solutions that meet the next generation of your product design, development, and simulation challenges. The new version of Simcenter 3D is robust and powerful, and it delivers advanced technologies for product design, development, and simulation in a single, multidisciplinary platform. It preserves best-in-class customer deployment readiness and builds on the productivity and stability achievements of the previous release.

Sincerely,

Your Simcenter 3D Release Team

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SIMCENTER 3D 2019.2-1880

2019.2-1880 UPDATES

Simcenter 3D Automatic Update

Automatic updates are available.

Caveats

Reenabling Automatic Updates Button

If the login dialog that pops up on initiating the download of an update is closed:

1. An error message “Failed to download Updates” is displayed.
2. The “Automatic Updates” button is greyed out preventing further attempts to download the update.

Resolve this by restarting the Simcenter 3D session which will reenables the button for user interaction.

2019.2-1880 PROBLEM REPORTS (PR)

For a detailed list of PR fixes, see Fixed_Problem_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

Applications	Count of PR Number
ROUTING_MECH	1
ADD_FIXED_PLANE	2
DESIGN	2
TRANSLATOR	2
CMM_INSPECTION	3
KDA	3
SHIP_DESIGN	4
SYSTEM	4
SIMCENTER	11
CAM	15
Total	47

2019.2-1880 ENHANCEMENTS (ER)

No ERs were included in this update.

SIMCENTER 3D 2019.2-1876

2019.2-1876 UPDATES

Simcenter 3D Automatic Update

Automatic updates are available.

Caveats

Reenabling Automatic Updates Button

If the login dialog that pops up on initiating the download of an update is closed:

3. An error message “Failed to download Updates” is displayed.
4. The “Automatic Updates” button is greyed out preventing further attempts to download the update.

Resolve this by restarting the Simcenter 3D session which will reenble the button for user interaction.

2019.2-1876 PROBLEM REPORTS (PR)

For a detailed list of PR fixes, see Fixed_Problem_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

Application	Count of PR Number
ASSEMBLIES	1
BETA_EAP	1
DESIGN	1
FLEX_PC_DESIGN	1
FLEXIBLE_PIPE	1
KDA	1
ROUTING_ELEC	1
SHIP_DESIGN	1
TC_FEATURES	1
TRANSLATOR	2
SIMCENTER	3
NXMANAGER	3
ROUTING_GENERAL	6
NX_SHEET_METAL	9
Total	32

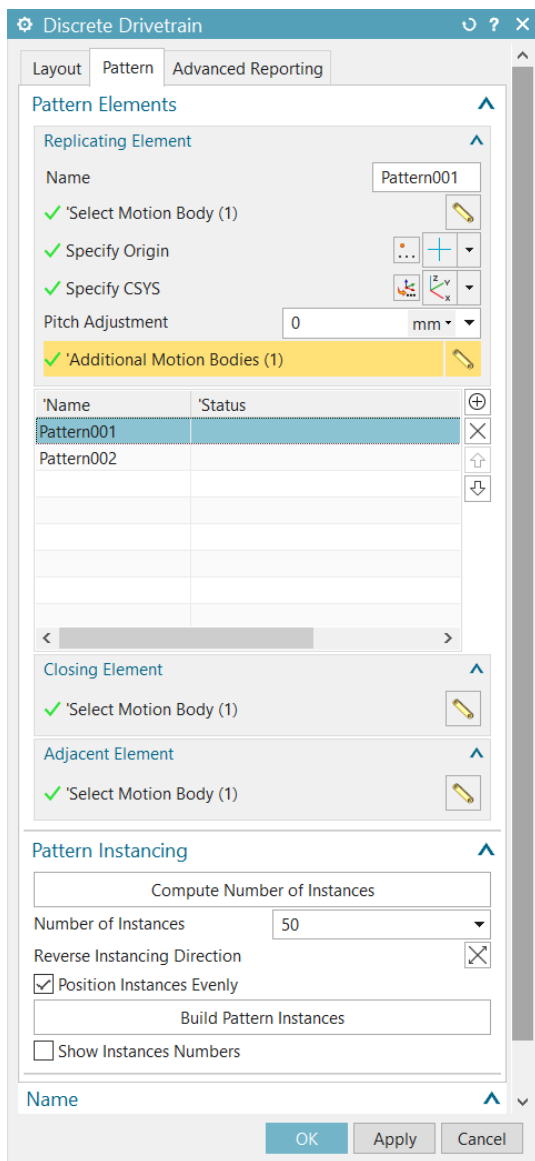
2019.2-1876 ENHANCEMENTS (ER)

Please see below for the enhancement included in this release.

Discrete Drivetrain: Additional Motion Bodies

Introduction

Pattern Elements now support the definition of Additional Motion Bodies.



Additional Motion Bodies

The Motion Body selected in Select Motion Body is treated as the main Motion Body in this Pattern Element. Additional Motion Bodies in this list can be replicated and passively positioned as part of the Pattern Element along with the main Motion Body. These Additional Motion Bodies maintain their position and orientation relative to the main Motion Body in a pattern instance.

Additional Motion Bodies may be connected to the main Motion Body or to each other. Any Motion elements like joints, forces or constraints which connect them are also replicated when Build Pattern Instances is clicked.

NOTE: Additional Motion Bodies may NOT be connected to a neighboring Pattern Element's main Motion Body or additional Motion Bodies. Such connections are not replicated when Build Pattern Instances is clicked.

2019.2 SERIES PRS WITH ISSUED SOFTWARE FIELD BULLETIN (SFB)

SFB	SFB Short Description	PR	PR Status	PR Fixed Version
SFB-NX_NASTRAN-8014462	Incorrect applied temperature for preload subcases in Simcenter Nastran SOL 402	8416427	Open	
SFB-NX_NASTRAN-8014566	Incorrect temperature processing in Simcenter Nastran SOL 402	9472658, 9475934	Open	
SFB-Simcenter-8014358	Erroneous conversion of complex data from amplitude-phase to real-imaginary format in Simcenter 3D Model and Load Pre-processing, if phase is expressed in degrees	9476699	Fixed	v1876
SFB-NX_NASTRAN-8014567	Temperature loads incorrectly applied in Simcenter Nastran SOL 402	9487561	Open	
SFB-NX_NASTRAN-8014380	Incorrect fluid penetration pressure output for Simcenter Nastran SOL 401	9492104, 9502800	Open	
SFB-Simcenter-8014396	Ply Sketcher Graphical Display Memory Issue	9505865	Fixed	v1876

SIMCENTER CUSTOMER SUPPORT

Installation assistance

For additional installation assistance, or to report any problems, contact the Simcenter Customer Support.

Website:

<http://support.industrysoftware.automation.siemens.com/gtac.shtml>