All-in-One 3D CAD Data Translator

spGate 2024.1

Upgrade News

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Import/Export

Supported 3D CAD Format Version Enhancements

Only the expanded part is shown in red text.

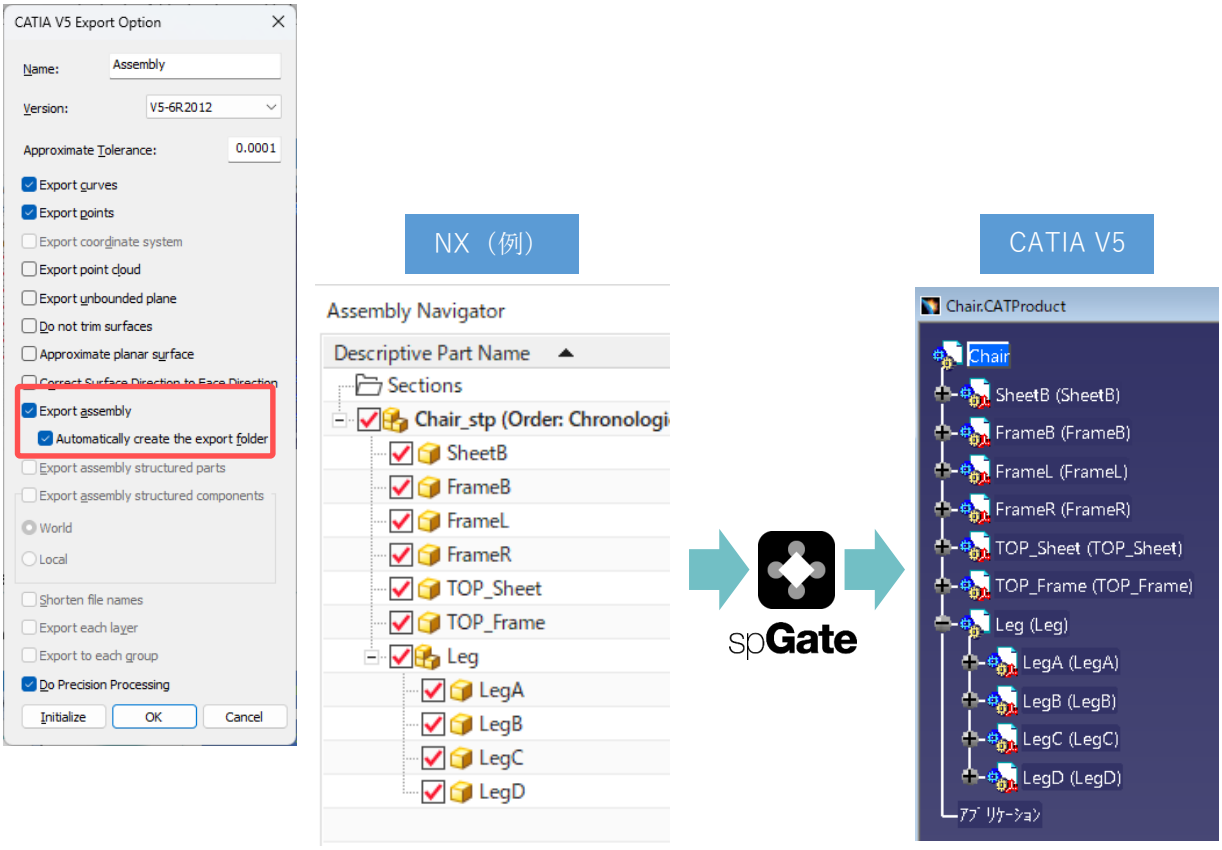
System/Format	Import	Export
CATIA	**V5-6R2023(R33)**	**V5-6R2023(R33)**
NX	**2212**	-
Creo	**9**	-
SOLIDWORKS #	**2023**	-
Alias	13.0 ～ 2016	13.0 ～ 2016
Rhinoceros	2.0 ～ 6.0	3.0 ～ 6.0
Parasolid	**35.0**	13.0
ACIS	**2023 1.0**	**2023 1.0**
IGES	～ V5.3	V5.3
STEP	AP203, AP214	AP203, AP214
STL	○	○
OBJ	○	○
JT #	8.1, 9.0, 9.1, 9.5	8.1
CAM-TOOL	-	V13.1
Maya	-	V8.0
CFIO	○	○
spGauge	-	2017.1
spScan	2020.1 ～ 2022.1	2013.1

- # require optional licenses.
- For the latest import/export specifications, please visit the spGate WEB site.
  https://www.armonicos.co.jp/en/spgate_blog/io/

Import/Export

[CATIA V5 Export] Export assembly (CATProduct)

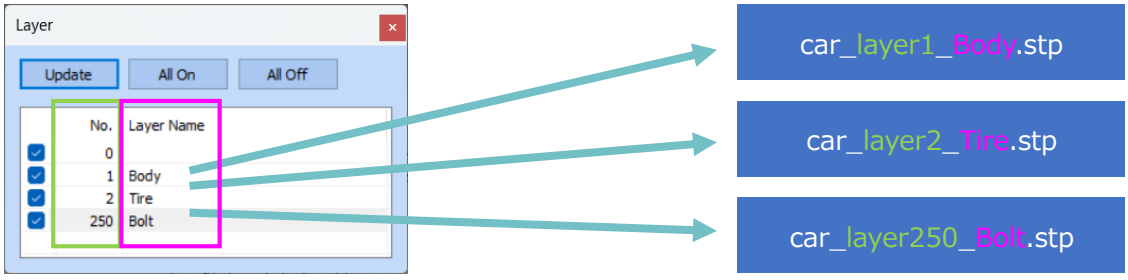
Assembly data can now be output as CATIA V5 assembly data (CATProduct). In addition, a function to automatically create the export folder has been added.



Import/Export

[Common Export] Layer name export

In "Export each layer", "Layer name" is now included in the output file name.



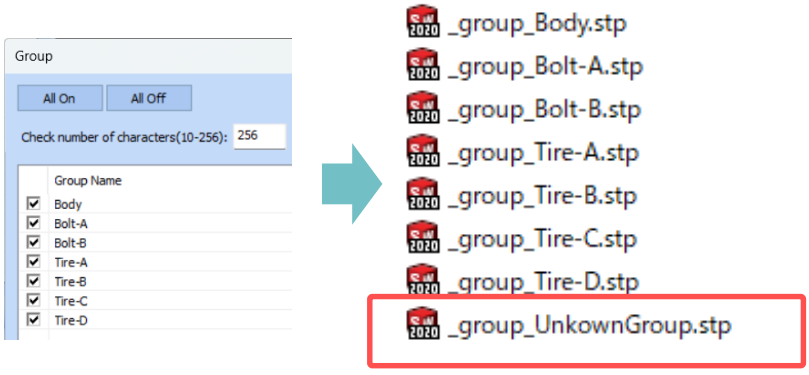
Import/Export

[Common Export] Export to each group

The following CAD types can now be output in the " Export to each group" section.

- CATIA V5
- Parasolid
- ACIS
- Rhinoceros
- Alias
- Maya
- spGauge
- STL
- OBJ
- DS
- JT

Also, elements that do not belong to a group are now output as an "UnkownGroup" group.



Enhancements

[Modify] Healing dedicated to analysis systems

In the Target Option, dedicated healing options are available for each analysis system.

- Moldflow（STEP）
- 3D TIMON（STEP）
- Femtet（Parasolid）

Enhancements

[Modify] Healing without surface deformation

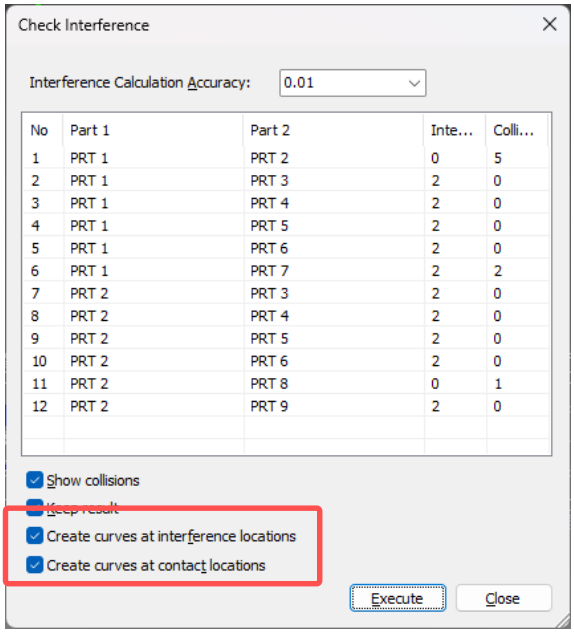
In the target option, a healing option is available that does not deform the surface.

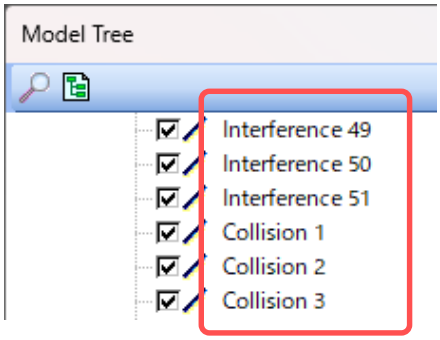
- No_deformation（CATIA V5, STEP, Parasolid, CFIO）

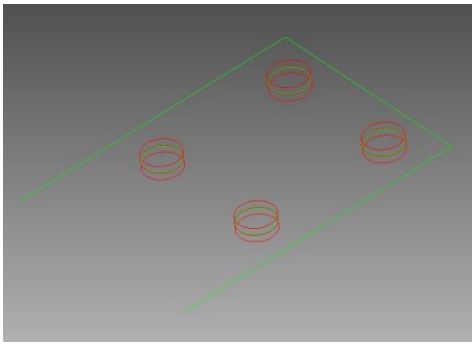
Enhancements

[Advanced Tools] Curve name display on interference/contact curves

Curve names are now displayed in the "Interference Curve(Interference)" and "Contact Curve(Collision)" sections.



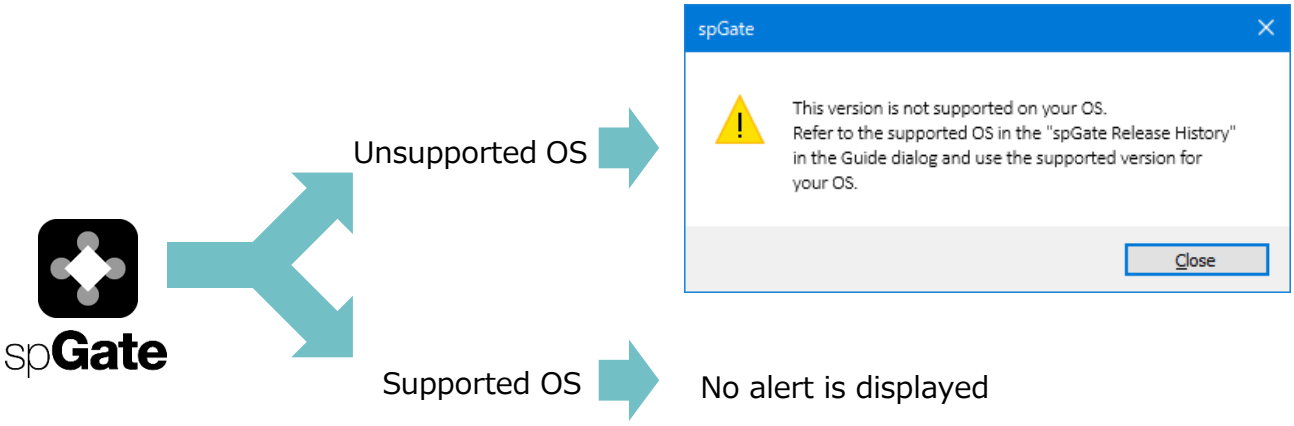




Specification change, etc

[System] Supported OS Alerts

When spGate is started on an operating system that is not supported, a "Supported OS Alert" will now be displayed.



*In case of spGate 2024.1

If spGate is started on other than "Windows 10 (64bit)" or "Windows 11", an alert will be displayed.

Developer

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