

# **Unigraphics NX System Software**

## Maintenance Release Notes

Version 1.0.2.3

01-014278-NX1023



April 2003

Dear Customer:

We are pleased to deliver the Unigraphics NX 1.0.2.3 Maintenance Release for installation on your system. The enclosed software is for the exclusive use of licensed installations of Unigraphics NX.

This maintenance release is provided on HP (HP-UX), Sun (Solaris), SGI (IRIX), Windows and IBM (AIX) systems and must be installed on a system currently running Unigraphics NX.

This release:

- Contains important PR fixes
- Lists known hardware and software issues

For installation instructions, a complete list of all PR fixes and all known software issues from previous maintenance releases, refer to the *Unigraphics NX System Software 1.0.2 Release Notes*.

For a complete list of all enhancements contained in this release, refer to the *Unigraphics NX 1.0.2 Maintenance Release Help Collection* and *What's New Guide*. These documents are provided in online format on the software CD.

We believe that the fixes included in this version will improve the reliability of the system for you. We hope that this release will help you make more productive use of Unigraphics NX.

We make extraordinary efforts to ensure that maintenance releases such as this are always backward compatible to the major release, in this case Unigraphics NX. In the unlikely event that a critical problem fix creates data that is not backward compatible, we will make every effort to identify, document and communicate to you the specifics regarding the compatibility issue.

Sincerely,

The EDS PLM Solutions Team



# Unigraphics NX System Software Maintenance Release Notes

*Version 1.0.2.3*

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## Fixed Problem Reports

The following PRs were fixed in this release. For a list of PRs fixed in previous V1.0.x maintenance releases, see the Fixed Problem Reports HTML files contained on the NX 1.0.2 software CD in the /Docs/fixed\_prs directory.

PR Number	Brief Description
<b>Modeling</b>	
1106490	partfile fails playback with error Cannot Apply Thicken
1145659	Failure to Playback only when, not using Solids_localChecking
1190642	CAD: -EDS_OPEL_TDC- Update error BLEND(1635) Blend radius too large
1217176	PRO:-UFUN- UF_MODL_edit_symb_thread not fixed (Labout)
1221678	Blend with setback fails to update when adjacent face is tapered less than 3
1225637	CAD:-Opel UAF: update error BLEND(242)
1225658	CAD:-OPEL UAF: Update error TAPER(1028)
1225688	CAD:-OPEL UAF: Update error OFFSET(259)
1225742	CAD:-OPEL UAF: Update error OFFSET(2861)
1225804	CAD:-Opel UAF: Playback fails on THICKEN_SHEET(1284) - passed in v18042
1227054	CAD:-Opel UAF: Update error feature CHAMFER(361)- Face failed checks
1227059	CAD:-Opel UAF: Update error feature BLEND(78)-Adjoining edges need to be blended
1227087	Opel UAF: Update error Update Failed - TAPER(687)
1227089	CAD:-Opel UAF: Update error BLEND(358)-Adjoining edge needs to be blended
1230084	CAD:Face Blend fails with Solid Object Tag error usinf Add Tangent Faces option
1231308	Global shaping
1235836	getting errors attempting to access the "Group Features" menu in this part
1239411	The "usr_defined_feature" is not checked IN after creation an UDF
2013681	Face Blend ->No Trim cant set Limit(s)

<b>PR Number</b>	<b>Brief Description</b>
4483786	v18041 Athena (RGR 3a
4649489	Internal error when positioning hole
4709105	Raster Image Export TIFF - Crashes UG NX
4711296	Face Analysis: Minimum and Maximum values are reversed in NX from V18

### **Drafting**

2008216	Error updating Hidden Line Display with Virtual Intersections ON
2018713	Dimension changes when moving a view using Offset Cylindrical Centerlines
4714812	sketch changes are not reflected in draft views
4717048	Drawing update causes some dimensions to be unassociated

### **Assemblies**

1214880	Can't update views from diff parts in UG NX but it's possible in 18.0.5.2
1216781	CAD:-ASS-Unable to remove component from filter
1244624	Preview images cause dramatically increase of save time in large assemblies
4566161	API_ Program - UF_FACET_facet_solid
4667601	Session terminated when mating std part to associative point
4693154	Stub error when updating structure on load
4703904	Internal error when deleting mating condition
4706482	File take 20 minutes to save_open_do anything with
4710409	Null tag error changing displayed part to top level assembly
4712536	Assemblies Preview assigned in an assembly file in default Layout L1
4717119	after refiling part excessive time to reopen and close file exceeds time of v18

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**PR Number      Brief Description****CAE**

1225451	CAE:-EDS_Opel-Scenario for Structures: Memory Access Violation during Midsurface
1240786	Internal Error with Clone Export of parts with Scenario_Motion
4736704	UF_SF_create_edge_face_conn does not work in NX1
4740752	Can't import large assembly and motion files into GM iMAN

**Manufacturing**

1216204	radial cut; climb and conventional settings do not change cut direction
1226805	Operation ZLEVEL_PROFILE gouges part
1235271	CAM: PR - Face milling operation gouge the part geometry
1239395	Memory Access Violation when trying to open UG18 file in UG NX
4487156	tool is gouging in a zlevel profile operation
4629700	getting "black screen" after first tool in Verify--> Dynamic. Works fine in v18
4648225	Z level contour:non cut move violation - z-level

**Knowledge Fusion**

1238454	UG-Feature Draw Die Punch creates invalid geometry
1238632	Feature Draw Die Punch - Dowel Hole Pads are not created when hole
1238650	Feature Draw Die Punch - Bolt Hole Pads are not created when hole
1241476	Draw Die Punch - Rib Highlight is wrong (forward to Gary Werschler)
1242121	Die Trim Post can not be created when end planes are on the same plane
1244594	EDS_Opel-Upper Draw Die creates misformed geometry when parameter "Deck
4689162	Die design - Lower binder guide pin boss trimming
4699528	cannot modify and update udf values in NX as in V18
4716824	Large Knowledge Fusion List causes Internal Error
4724960	GMCheck-Mate: Invalid attr validation for geo_env drawin

**PR Number      Brief Description**

**Parasolid**

1225504	CAD:-Opel UAF:-Update error SEW(447)
1225613	CAD:-Opel UAF: Playback fails on SUBTRACT(106) in NX - passes in V18
1226686	CAD:-OPEL Through curve mesh dos not work like in V16
1227070	CAD:-Opel UAF: Update error feature BLEND(729)-Vertex too complex to create blend
4706560	Project WAVE linked curves on a WAVE linked cylindrical face
4706572	"thru face does not intersect path of tool" when performing a unite
2018684	'Modeler error: failed to find closest approach' in Clearance Analysis
4241640	Cavity milling generates a tool path with gouge

**Sheet Metal Design**

1234883	inset flange is not initially using global bend radius expression
4710880	Metaform output not correct when using UG NX 1.0.2

**UG/Harness**

4713513	Showstopper on legacy product that is not being updated any longer
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**SYSENG**

4730856	Save As to Assembly takes too long
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**UG/Manager**

1239073	IMA: CAD:- Not possible to leave dialog in UGManager -> Export
1249489	UGManager>Clone>Import creates an extra Scenario dataset
4618258	Clone Import of scenarios
4714495	Error opening a clone/scenario imported part with UGNX
4715436	PSE failure to access occurrence note info from Altrep

<b>PR Number</b>	<b>Brief Description</b>
4736374	Signal 11 error on saving the wave links in UG-NX(Internal memory access violation)

## ***Caveats***

### **Delay Saving Component Previews**

By default, if a component doesn't have a preview image, the system automatically generates one for it when you save it. This can make saving a pre-NX assembly a slow operation.

When you set the `UGII_DISABLE_COMPONENT_PREVIEWS` environment variable, the system does not generate preview images for modified components that are saved as part of an assembly save operation. This postpones generation of the previews until later when you actually save the component files.

### **Generative Modeling**

Generative Modeling is only available on the HP platform in this release. For this release, Generative Modeling requires ICAD 8.1 64 bit release or later. If you are using ICAD 8.1, then you also need DEV439 and DEV444 ICAD patches (obtained from KTI).

The help collection for Generative Modeling is available for download at the GTAC WebKey site.

## ***Automotive Design Software Preview***

Several new functions that are applicable for automotive design are planned for production release in Unigraphics NX 1.0.3. These functions will be available in the Body Design and Vehicle Packaging selections on the Tools pulldown menu. These functions include:

- Tire Envelope
- Engine Roll
- Eyellipse
- Reflect Data
- Instrument Panel Visibility
- Mirror Certification
- Windshield Vision Zones
- Stone Impingement
- Glass Drop
- Hinge Locator
- B Pillar Construction

An early version of these functions is available in Unigraphics NX 1.0.2.3 for training, demonstration and evaluation purposes. Access to the tools is controlled by an environment variable. You should not use these tools for production work until Unigraphics NX 1.0.3, as compatibility of part files created in the Unigraphics NX 1.0.2 release is not guaranteed if the part files contain these new features.





