




Logged in as: *brutzman* (Don Brutzman - administrator) 2022-05-11
19:13 PDT

Project: X3D 

[Main](#) | [My View](#) | [View Issues](#) | [Report Issue](#) | [Change Log](#) | [Roadmap](#) | [Summary](#) |
[Manage](#) | [Edit News](#) | [My Account](#) | [Logout](#)

Issue #

Recently Visited: [0001209](#), [0000700](#), [0000448](#), [0000692](#), [0000805](#)

View Issue Details [[Jump to Notes](#)]

[>>]

[[Issue History](#)] [[Print](#)]

[[Send a reminder](#)]

| ID | Project | Category | View Status | Date Submitted | Last Update |
|---------|---------|-----------------------|-------------|---------------------|---------------------|
| 0000700 | X3D | 19775-1 (Abstract) | public | 2015-06-30 02:44 | 2022-05-11 18:00 |

Reporter walroy

Assigned To brutzman

Priority normal **Severity** minor **Reproducibility** N/A

Status assigned **Resolution** open

Summary 0000700: 27.4.9 NurbsSet - Change child geometry model to X3DParametricGeometryNode

Description 27.4.9 NurbsSet
<http://www.web3d.org/documents/specifications/19775-1/V3.3/Part01/components/nurbs.html#NurbsSet>

NurbsSet can contain any of the nodes implementing X3DParametricGeometryNode type. X3DNurbsSurfaceGeometryNode nodes are a subset of X3DParametricGeometryNode nodes.

Thus change

In the node signature, replace each occurrence of "NurbsSurface" with "X3DNurbsSurfaceGeometryNode".

to

In the node signature, replace each occurrence of "NurbsSurface" with "X3DParametricGeometryNode".

Additional Information Submitted 20th July 2011 by Don Brutzman
http://web3d.org/mailman/private/x3d_web3d.org/2011-July/001030.html

Tags [V4.0](#) , [V4.0 Resolution](#) 

Assign To:

[Reporter]

Change Status To:

resolved

View Issue Details [[Jump to Notes](#)]

[>>]

[[Issue History](#)] [[Print](#)][[Send a reminder](#)]**Attach Tags**

(Separate by ",")

Existing tags

**Attached Files**

Assign To:

[Reporter]



Change Status To:

resolved

**Relationships****New relationship**

Current issue

related to

related to [0000448](#) resolved [rpuk](#) 27.4.9 NurbsSet - Incorrect Reference to NurbsSurface
[Delete]**Upload File****Select File**Maximum size:
5,000 KB

No file selected.

Users monitoring this issue**User List**

There are no users monitoring this issue.

Username **Notes**

~0001354

See also Mantis issue [0000448](#)**walroy** (manager)

2015-06-30 02:45

Last edited: 2016-01-10

02:23

[View 2 revisions](#)

~0001355

walroy (manager)

2015-06-30 02:50

Last edited: 2015-06-30

02:50

[View 2 revisions](#)

Both the Schema and the DTD allow NurbsPatchSurface, NurbsSweptSurface, NurbsSwungSurface and NurbsTrimmedSurface as children. Only NurbsPatchSurface and NurbsTrimmedSurface are derived from X3DNurbsSurfaceGeometryNode.

All four are derived from X3DParametricGeometryNode, since X3DNurbsSurfaceGeometryNode is derived from X3DParametricGeometryNode. However, note that NurbsCurve is also derived from X3DParametricGeometryNode.

~0003414

brutzman (administrator)

2022-05-11 17:54

Last edited: 2022-05-11

18:00

[View 2 revisions](#)[Edit](#)[Delete](#)[Make Private](#)

NurbsSet should be inclusive about which nodes an author thinks can be rendered together as one smooth surface.

Since X3DParametricGeometryNode includes X3DNurbsSurfaceGeometryNode, changed all three NurbsSet geometry fields from X3DNurbsSurfaceGeometryNode to X3DParametricGeometryNode.

* <https://www.web3d.org/specifications/X3Dv4Draft/ISO-IEC19775-1v4-CD1/Part01/components/nurbs.html#NurbsSet>

Recommend resolve once X3DUOM changes are deployed. Give mailing list an opportunity to comment.

[-] Add Note**Note****View Status** private**Upload File**

Maximum size:

5,000 KB

[Browse...](#)

No file selected.

[Add Note](#)**[-] Issue History**

| Date Modified | Username | Field | Change |
|------------------|--------------------------|----------------------|--------------------------------|
| 2015-06-30 02:44 | walroy | New Issue | |
| 2015-06-30 02:45 | walroy | Note Added: 0001354 | |
| 2015-06-30 02:50 | walroy | Note Added: 0001355 | |
| 2015-06-30 02:50 | walroy | Note Edited: 0001355 | View Revisions |
| 2016-01-10 02:23 | walroy | Note Edited: 0001354 | View Revisions |
| 2016-01-10 02:25 | walroy | Relationship added | related to 0000448 |
| 2020-06-18 09:53 | brutzman | Tag Attached: V4.0 | |
| 2020-06-18 09:53 | brutzman | Assigned To | => brutzman |

Issue History

| Date Modified | Username | Field | Change |
|------------------|--------------------------|-------------------------------|--|
| 2020-06-18 09:53 | brutzman | Status | new => assigned |
| 2021-04-23 09:49 | brutzman | Tag Attached: V4.0 Resolution | |
| 2022-05-11 17:54 | brutzman | Note Added: 0003414 | |
| 2022-05-11 17:58 | brutzman | Summary | 27.4.9 NurbSet - Change child model => 27.4.9 NurbSet - Change child geometry model to X3DParametricGeometryNode |
| 2022-05-11 18:00 | brutzman | Note Edited: 0003414 | View Revisions |

Powered by [MantisBT](#)

Copyright © 2000 - 2022 MantisBT Team

Contact [administrator](#) for assistance

