NAME

PEXGetRendererDynamics - Get Renderer Attribute Modification Dynamics

SYNTAX

Status PEXGetRendererDynamics(Display **display*, PEXRenderer *renderer*, unsigned long **tables_return*, unsigned long **name_sets_return*, unsigned long **attributes_return*)

PARAMETERS

display A pointer to a display structure returned by a successful **XOpenDisplay** call.

renderer The resource identifier of the renderer.

tables_return Returns a mask describing dynamics of lookup tables associated with the renderer.

name_sets_return
Returns a mask describing dynamics of name sets associated with the renderer.

attributes_return Returns a mask describing dynamics of other attributes associated with the renderer.

RETURNS

Zero if unsuccessful, non-zero otherwise.

DESCRIPTION

This function returns the modification dynamics for all of the attributes of the specified *renderer resource.* Each bit, in the returned bitmasks, indicates the dynamics for a particular renderer attribute. For each bit, a value of **PEXDynamic** indicates that the specified attribute may be modified at any time, and the change will take place immediately. A value of **PEXNotDynamic** indicates that the specified attribute may not be modified dynamically. In this case, the change is "pending" and will take effect at the next explicit or implicit **PEXBeginRendering**(3)**.**

The pipeline context, pick start path, background color, clear image and clear z renderer attributes all take effect only at the time of "begin rendering or picking", and so do not have dynamics associated with them.

The bits in the tables bitmask are accessed with the following constants:

PEXRDTColorApproxContents
PEXRDTColorApproxTable
PEXRDTColorTable
PEXRDTColorTableContents
PEXRDTDepthCueTable
PEXRDTDepthCueTableContents
PEXRDTEdgeBundle
PEXRDTEdgeBundleContents
PEXRDTInteriorBundle
PEXRDTInteriorBundleContents
PEXRDTLightTable
PEXRDTLightTableContents
PEXRDTLineBundle

PEXRDTLineBundleContents
PEXRDTMarkerBundle
PEXRDTMarkerBundleContents
PEXRDTPatternTable
PEXRDTPatternTableContents
PEXRDTTextBundle
PEXRDTTextBundleContents
PEXRDTTextFontTable
PEXRDTTextFontTableContents
PEXRDTViewTable
PEXRDTViewTableContents

The bits in the name sets bitmask are accessed with the following constants:

PEXRDNHighlightNameSet
PEXRDNHighlightNameSetContents
PEXRDNInvisibilityNameSet
PEXRDNInvisibilityNameSetContents
PEXRDNPickNameSet
PEXRDNPickNameSetContents

The bits in the attributes bitmask are accessed with the following constants:

PEXRDAClipList
PEXRDAEchoMode
PEXRDAHLHSRMode
PEXRDANPCSubVolume
PEXRDAViewport

ERRORS

BadPEXRenderer
The specified *renderer* resource identifier is invalid.

SEE ALSO

PEXCreateRenderer(3)
PEXChangeRenderer(3)
PEXBeginRendering(3)