NAME

PEXPolylineSetWithData - 3D Set of Polylines Primitive

SYNTAX

void PEXPolylineSetWithData(Display **display*, XID *resource_id*, PEXOCRequestType *req_type*, unsigned int *vertex_attributes*, int *color_type*, unsigned int *count*, PEXListOfVertex **vertex_lists*)

PARAMETERS

display	A pointer to a display structure returned by a successful **XOpenDisplay** call.
resource_id	The resource identifier of the renderer or structure.
req_type	The request type for the output command (**PEXOCRender, PEXOCStore, PEXOCRenderSingle** or **PEXOCStoreSingle**).
vertex_attributes	A mask indicating the vertex attributes provided (**PEXGANone** or **PEXGAColor**).
color_type	The type of color data provided (**PEXColorTypeIndexed, PEXColorTypeRGB, PEXColorTypeCIE, PEXColorTypeHSV, PEXColorTypeHLS, PEXColorTypeRGB8, PEXColorTypeRGB16**).
count	The number of polylines.
vertex_lists	A pointer to a list of vertex arrays defining each polyline in the set.

RETURNS

None

DESCRIPTION

This function creates a polyline set output primitive.

This function is similar to **PEXPolyline**(3) except that it allows applications to specify a number of polylines as well as additional data. These polylines may contain a color value at each vertex. The vertex attributes indicate the content of the additional data. Color values passed must be of the specified color type.

If colors are passed for each vertex, they are used instead of the line color attribute. The polyline interpolation method, which depending on the ASF attribute is obtained directly from the current polyline interpolation attribute or from the line bundle, controls how the polylines are shaded.

All other aspects of this primitive are the same as **PEXPolyline**(3)**.**

DATA STRUCTURES

See **PEXlib.h.**

ERRORS

BadPEXOutputCommand
The output command contains an invalid value.

BadPEXRenderer
The specified renderer resource identifier is invalid.

BadPEXStructure
The specified structure resource identifier is invalid.

SEE ALSO

PEXSetLineType(3)
PEXSetLineWidth(3)
PEXSetLineColorIndex(3)
PEXSetLineColor(3)
PEXSetPolylineInterpMethod(3)
PEXSetLineBundleIndex(3)