NAME

PEXGetTableEntry - Get Lookup Table Entry

SYNTAX

PEXPointer PEXGetTableEntry(Display **display*, PEXLookupTable *table*, unsigned int *index*, int *value_type*, int **status_return*, int **table_type_return*)

PARAMETERS

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

table — The resource identifier of the lookup table.

index — The index of the entry to be returned from the lookup table.

value_type — The type of values to return (**PEXSetValue** or **PEXRealizedValue**).

status_return — Returns the entry status, either **PEXDefinedEntry** if the specified lookup table entry is defined or **PEXDefaultEntry** if it is undefined.

table_type_return — Returns the type of table.

RETURNS

A pointer to the lookup table entry; a null pointer if unsuccessful.

DESCRIPTION

This function returns a single entry from the specified lookup table. If the specified lookup table entry is defined, the defined entry is returned. If the specified lookup table entry is not defined, the default entry for that type of table is returned.

The type of structure returned depends on the specified type. See **PEXSetTableEntries**(3) for the structure types.

If the requested value type is **PEXSetValue,** the values returned will be those originally set in the table entry. If the requested value type is **PEXRealizedValue,** the values returned will be those actually used during rendering (i.e. the values used if the specified entry value can not be exactly matched).

PEXlib allocates memory for the returned entry. **PEXFreeTableEntries**(3) should be called to deallocate the memory.

DATA STRUCTURES

```
typedef  XID      PEXLookupTable;

#if NeedFunctionPrototypes
typedef void      *PEXPointer;
#else
typedef char      *PEXPointer;
#endif
```

ERRORS

BadPEXLookupTable
The specified lookup table resource identifier is invalid, or the table type is unsupported.

BadValue
Index 0 is invalid for the specified table type.

SEE ALSO

PEXCreateLookupTable(3)
PEXGetTableInfo(3)
PEXGetPredefinedEntries(3)
PEXGetDefinedIndices(3)
PEXGetTableEntries(3)
PEXSetTableEntries(3)