NAME

PEXGetSearchContext - Get Search Context Attributes

SYNTAX

PEXSCAttributes *PEXGetSearchContext(Display **display*, PEXSearchContext *context*, unsigned long *value_mask*)

PARAMETERS

display	A pointer to a display structure returned by a successful **XOpenDisplay** call.
context	The resource identifier of the search context to be queried.
value_mask	A mask indicating which attributes to return.

RETURNS

A pointer to the requested attribute values; a null pointer if unsuccessful.

DESCRIPTION

This function returns the requested attribute values of the specified search *context* resource. The value mask indicates which attributes are to be returned. The value mask is constructed by OR'ing together the following constants:

PEXSCCeiling
PEXSCDistance
PEXSCInvertedList
PEXSCModelClipFlag
PEXSCNormalList
PEXSCPosition
PEXSCStartPath

PEXlib allocates memory for the returned search *context* attribute values. **PEXFreeSCAttributes**(3) should be called to deallocate the memory.

DATA STRUCTURES

```
typedef  XID     PEXSearchContext;

typedef struct {
        PEXCoord                position;
        float                   distance;
        unsigned short          ceiling;
        Bool                    model_clip_flag;
        PEXStructurePath        start_path;
        PEXListOfNameSetPair    normal;
        PEXListOfNameSetPair    inverted;
} PEXSCAttributes;

typedef struct {
        float    x;
        float    y;
        float    z;
} PEXCoord;
```

```
typedef struct {
        unsigned long           count;          /* number of elements */
        PEXElementRef           *elements;
} PEXStructurePath;

typedef struct {
        PEXStructure            structure;
        unsigned long           offset;
} PEXElementRef;

typedef  XID     PEXStructure;

typedef struct {
        unsigned short          count;          /* number of pairs */
        PEXNameSetPair          *pairs;
} PEXListOfNameSetPair;

typedef struct {
        PEXNameSet    inclusion;
        PEXNameSet    exclusion;
} PEXNameSetPair;

typedef  XID     PEXNameSet;
```

ERRORS

BadPEXSearchContext
The specified search *context* resource identifier is invalid.

BadValue
An invalid bit is set in the value mask.

SEE ALSO

PEXCreateSearchContext(3)
PEXChangeSearchContext(3)
PEXFreeSCAttributes(3)