NAME

xgl_pcache_display – displays a Primitive Cache

SYNOPSIS

#include <xgl/xgl.h>

```
Xgl_cache_display xgl_pcache_display (
    Xgl_pcache      pcache,
    Xgl_boolean     test,
    Xgl_boolean     display,
    Xgl_boolean     restore);
```

DESCRIPTION

This operator performs the following tasks: 1) it closes the *pcache*, 2) it compares *pcache* and context states, 3) if the comparison is OK, it displays the *pcache*, and 4) it returns the result of the comparison.

Parameters

pcache Specifies the *pcache* to operate upon. The **XGL_PCACHE_CONTEXT**(3) attribute of the *pcache* specifies the context to be used for comparison and display.

test Controls the validation of the *pcache* and context states. If test is FALSE, the context state is not validated and the return value is XGL_CACHE_NOT_CHECKED. If test is TRUE, the context state is compared with that of the *pcache*; if the state is compatible, the return value is XGL_CACHE_DISPLAY_OK, otherwise it is XGL_CACHE_ATTR_STATE_DIFFERENT.

display Controls the display of the *pcache*. If display is FALSE, the *pcache* is not rendered. If display is TRUE, the *pcache* is rendered only if test is FALSE or the context state is compatible.

restore Controls whether or not context attributes can be altered by displaying *pcache*. If restore is TRUE, displaying a *pcache* will not change any of the context attributes. If restore is FALSE and the *pcache* contains attributes, the attributes of the context are changed to reflect those stored in the *pcache*.

RETURN VALUE

Returns the status of the validity test:

XGL_CACHE_DISPLAY_OK

The states in Pcache and Context are compatible.

XGL_CACHE_ATTR_STATE_DIFFERENT

The states in Pcache and Context are not compatible.

XGL_CACHE_NOT_CHECKED

The state in Pcache is not checked against the state in the Context.

SEE ALSO

xgl_object_create(3)
XGL_PCACHE(3)
XGL_PCACHE_CONTEXT(3)

NOTES

In the special case of an unclosed, empty Pcache, **xgl_pcache_display**(3) will return XGL_-CACHE_ATTR_STATE_DIFFERENT if called with test = TRUE. This feature allows an application to omit the initial build of a Pcache object, since it can be (re)built the first time the application attempts to display it.