Double Buffer Extension Library

X Consortium Standard

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David P. Wiggins
X Consortium, Inc

Double Buffer Extension Library: X Consortium Standard

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Chapter 1. Introduction

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Chapter 2. Goals

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Chapter 3. Concepts

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[illegible] `DRAWABLE` [illegible] `GetImage` [illegible] `GetImage` [illegible] `GetImage` [illegible]

[illegible] `ClipByChildren` [illegible] `IncludeInferiors` [illegible]

[illegible] `GraphicsExpose` [illegible]

[illegible]

[illegible]

Window Management Operations

[illegible]

[illegible] `DestroyWindow` [illegible]

[illegible] `ConfigureWindow` [illegible]

[illegible] `ConfigureWindow` [illegible] `Expose` [illegible]

[illegible] `ShapeRectangles` [illegible] `ShapeMask` [illegible] `ShapeCombine` [illegible] `ShapeOffset` [illegible]

[illegible]

[illegible] `Expose` [illegible]

Complex Swap Actions

[illegible]

[illegible] `DBEBeginIdiom` [illegible] `DBEEndIdiom` [illegible]

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- `DBEBeginIdiom` [illegible]
- `DBESwapBuffers` [illegible]
- [illegible] `PolyFillRectangle` [illegible]
- [illegible] `PolyFillRectangle` [illegible]
- `DBEEndIdiom` [illegible]

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8[illegible] `DBESwapBuffers` [illegible]([illegible];[illegible]5[illegible]$[illegible]2[illegible]0[illegible]$[illegible]2 `Copied` [illegible]2[illegible]%[illegible]$[illegible]%[illegible]$ `CopyArea` [illegible]([illegible] `DBESwapBuffers` [illegible] `DBESwapBuffers` [illegible]%[illegible]2[illegible]0 `DBEBeginIdiom` [illegible]([illegible]8[illegible]0%[illegible]%[illegible] `DBESwapBuffers` [illegible]%[illegible]([illegible]D[illegible]0[illegible]$[illegible]0[illegible]2[illegible]%[illegible]0[illegible]$[illegible]%[illegible]$[illegible]0[illegible]%[illegible]%[illegible]([illegible]%[illegible]%[illegible]2[illegible]2[illegible]%[illegible]2[illegible]%[illegible]$[illegible]([illegible]0[illegible]5[illegible];[illegible]5[illegible]$[illegible]2[illegible]%[illegible]$[illegible]2[illegible]0[illegible]$[illegible] `Untouched` [illegible]2 `PolyFillRectangle` [illegible]$[illegible]%[illegible]0[illegible]0D[illegible]1[illegible]22[illegible] `DBESwapBuffers` [illegible]([illegible]%[illegible]%[illegible]2[illegible]%[illegible]0[illegible]1[illegible]22[illegible]=[illegible]2[illegible]%[illegible]>[illegible]0[illegible]%[illegible]2[illegible]%[illegible]0[illegible]?[illegible]%[illegible]$[illegible]

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Chapter 4. C Language Binding

[illegible]

Types

[illegible] `XdbeBackBuffer` [illegible] `Drawable` [illegible]

[illegible] `XdbeSwapAction` [illegible] `XdbeUndefined`, `XdbeBackground`, `XdbeUntouched` [illegible] `XdbeCopied` [illegible]

C Functions

[illegible] `Status` [illegible]

`Status` **`XdbeQueryExtension`**`(` *`*dpy`*, *`*major_version_return`*, *`*minor_version_return`*`);`

`XdbeQueryExtension` [illegible]

`XdbeScreenVisualInfo` **`*XdbeGetVisualInfo`**`(` *`*dpy`*, *`*screen_specifiers`*, *`*num_screens`*`);`

`XdbeGetVisualInfo` [illegible] `XdbeScreenVisualInfo` [illegible]

[illegible]

[illegible]

[illegible] `XdbeVisualInfo` [illegible]

[illegible]

```
void XdbeFreeVisualInfo XdbeGetVisualInfo( *visual_info);
```

XdbeFreeVisualInfo [illegible] XdbeScreenVisualInfo [illegible] XdbeGetVisualInfo [illegible]

```
XdbeBackBuffer    XdbeAllocateBackBufferName(    *dpy,        *window,
swap_action);
```

XdbeAllocateBackBufferName [illegible] XdbeSwapBuffers [illegible] XdbeSwapBuffers [illegible]

```
Status XdbeDeallocateBackBufferName( *dpy,  buffer);
```

XdbeDeallocateBackBufferName [illegible] XdbeAllocateBackBufferName [illegible] XdbeBadBuffer [illegible]

```
Status XdbeSwapBuffers( *dpy,  *swap_info,  num_windows);
```

XdbeSwapBuffers [illegible]

[illegible]

[illegible]

```
Status XdbeBeginIdiom( *dpy);
```

XdbeBeginIdiom [illegible]

```
Status XdbeEndIdiom( *dpy);
```

XdbeEndIdiom [illegible]

```
XdbeBackBufferAttributes *XdbeGetBackBufferAttributes( *dpy,  buffer);
```

XdbeGetBackBufferAttributes [illegible]

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[illegible]2[illegible]22[illegible]`XdbeBackBuffer`[illegible]0[illegible]0[illegible]C[illegible]

3%[illegible]`XdbeBackBufferAttributes`[illegible]2[illegible]0[illegible]%[illegible]%[illegible]2[illegible]`XFree`[illegible]

Errors

3%[illegible]`XdbeBufferError`[illegible]%[illegible]%[illegible]2[illegible]0[illegible]2[illegible]A

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[illegible]%[illegible]`XdbeBadBuffer`[illegible]
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Chapter 5. Acknowledgements

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Chapter 6. References

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