

UF_SUBDIV_ask_parms (view source)

Defined in: `uf_subdiv.h`

Overview

Returns the parameters used for a subdiv feature. Given a subdiv feature tag, determines the subdiv_type and the parameters for the type in the subdiv_structure_ptr structure.

Environment

Internal and External

See Also

[UF_SUBDIV_free](#)
for freeing the data structures allocated by this routine.
See the [example](#)

History

Originally released in V15.0

Required License(s)

gateway

```
int UF_SUBDIV_ask_parms
(
    tag_t subdiv_tag,
    UF_SUBDIV_type_p_t subdiv_type,
    UF_SUBDIV_data_structures_p_u subdiv_structure_pointer
)
```

tag_t	subdiv_tag	Input	Object identifier of the subdiv feature
UF_SUBDIV_type_p_t	subdiv_type	Output	type of subdiv feature
UF_SUBDIV_data_structures_p_u	subdiv_structure_pointer	Output to UF_*free*	pointer to one of the subdiv data structures. This must be freed by calling UF_SUBDIV_free.

UF_SUBDIV_ask_type (view source)

Defined in: `uf_subdiv.h`

Overview

This function returns the type of subdiv feature. Given a subdiv feature tag, determines the subdiv_type.

Environment

Internal and External

See Also

[UF_SUBDIV_create](#)

History

Originally released in V15.0

Required License(s)

gateway

```
int UF_SUBDIV_ask_type
(
    tag_t subdiv_tag,
    UF_SUBDIV_type_p_t subdiv_type
)
```

tag_t	subdiv_tag	Input	object identifier of the subdiv feature
UF_SUBDIV_type_p_t	subdiv_type	Output	type of subdiv feature

UF_SUBDIV_create (view source)

Defined in: uf_subdiv.h

Overview

Creates a subdiv feature. The subdiv_type contains the method to use for splitting faces. It indicates the type of parameters used in the subdiv_structure_ptr structure. The output of this function is the object identifier associated to the subdiv feature.

Environment

Internal and External

See Also

See the [example](#)

History

Originally released in V15.0

Required License(s)

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```
int UF_SUBDIV_create
(
    UF_SUBDIV_type_t subdiv_type,
    UF_SUBDIV_data_structures_p_u subdiv_structure_pointer,
    tag_p_t subdiv_tag
)
```

UF_SUBDIV_type_t	subdiv_type	Input	type of subdiv feature
UF_SUBDIV_data_structures_p_u	subdiv_structure_pointer	Input	pointer to one of the subdiv data structures
tag_p_t	subdiv_tag	Output	object identifier of the subdiv feature

UF_SUBDIV_edit [\(view source\)](#)

Defined in: `uf_subdiv.h`

Overview

Edits a subdiv feature. The `subdiv_type` contains the type of subdiv feature being edited. It indicates the type of parameters used in the `subdiv_structure_ptr` structure.

Environment

Internal and External

See Also

[UF_SUBDIV_create](#)

History

Originally released in V15.0

Required License(s)

`solid_modeling`

```
int UF_SUBDIV_edit
(
    UF_SUBDIV_type_t subdiv_type,
    UF_SUBDIV_data_structures_p_u subdiv_structure_pointer,
    tag_t subdiv_tag
)
```

UF_SUBDIV_type_t	subdiv_type	Input	type of subdiv feature
UF_SUBDIV_data_structures_p_u	subdiv_structure_pointer	Input	pointer to one of the subdiv data structures
tag_t	subdiv_tag	Input	object identifier of the subdiv feature

UF_SUBDIV_free [\(view source\)](#)

Defined in: `uf_subdiv.h`

Overview

This function frees any data retrieved via the `ask_parms` function. Call `UF_SUBDIV_free` after a call to `UF_SUBDIV_ask_parms`.

Environment

Internal and External

See Also

[UF_SUBDIV_create](#)

History

Originally released in V15.0

Required License(s)

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```
int UF_SUBDIV_free
(
    UF_SUBDIV_type_t subdiv_type,
    UF_SUBDIV_data_structures_p_u subdiv_structure_pointer
)
```

UF_SUBDIV_type_t	subdiv_type	Input	type of subdiv feature
UF_SUBDIV_data_structures_p_u	subdiv_structure_pointer	Input	pointer to one of the subdiv data structures