

## UF\_SO\_bcurv\_slope\_type\_e [\(view source\)](#)

Defined in: `uf_so.h`

Also known as:

- `UF_SO_bcurv_slope_type_t`
- `UF_SO_bcurv_slope_type_p_t`

### Overview

Bcurve slope type options

### Data Members

`UF_SO_bcurve_no_slope = -1`

`UF_SO_bcurve_auto_slope`

`UF_SO_bcurve_slope_direction`

use only direction of slope

`UF_SO_bcurve_slope_mag_and_dir`

use both direction and magnitude of the slope

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## UF\_SO\_bcurv\_type\_e [\(view source\)](#)

Defined in: `uf_so.h`

Also known as:

- `UF_SO_bcurv_type_t`
- `UF_SO_point_bcurv_type_p_t`

### Overview

Bcurve options : Periodic (closed) or non-periodic

### Data Members

`UF_SO_bcurve_non_periodic`

`UF_SO_bcurve_periodic`

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## UF\_SO\_dirr\_on\_curve\_option\_e [\(view source\)](#)

Defined in: `uf_so.h`

Also known as:

- `UF_SO_dirr_on_curve_option_t`

- UF\_SO\_dirr\_on\_curve\_option\_p\_t

## Overview

DIRR\_on\_curve options.

## Data Members

### UF\_SO\_dirr\_on\_curve\_tangent

Use direction tangent to curve

### UF\_SO\_dirr\_on\_curve\_normal

Use direction normal to curve

### UF\_SO\_dirr\_on\_curve\_binormal

Use direction binormal to curve (B = TXN)

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## UF\_SO\_point\_along\_curve\_option\_e [\(view source\)](#)

Defined in: `uf_so.h`

Also known as:

- UF\_SO\_point\_along\_curve\_option\_t
- UF\_SO\_point\_along\_curve\_option\_p\_t

## Overview

POINT\_along\_curve options.

## Data Members

### UF\_SO\_point\_along\_curve\_distance

### UF\_SO\_point\_along\_curve\_percent

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## UF\_SO\_scalar\_dim\_option\_e [\(view source\)](#)

Defined in: `uf_so.h`

Also known as:

- UF\_SO\_scalar\_dim\_option\_t
- UF\_SO\_scalar\_dim\_option\_p\_t

## Overview

SCALAR dimensionality options

## Data Members

### UF\_SO\_scalar\_dimensionality\_none

**UF\_SO\_scalar\_dimensionality\_length**

**UF\_SO\_scalar\_dimensionality\_area**

**UF\_SO\_scalar\_dimensionality\_volume**

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## **UF\_SO\_update\_option\_e** ([view source](#))

Defined in: `uf_so.h`

Also known as:

- `UF_SO_update_option_t`
- `UF_SO_update_option_p_t`

### **Overview**

Update options for a smart object.

### **Data Members**

#### **UF\_SO\_dont\_update**

The smart object does not update. For future use

#### **UF\_SO\_update\_within\_modeling**

The smart object updates within modeling in time stamp order (e.g. a feature). For example if the smart object is referenced by Feature(i), the SO will update after Feature(i-1) and right before Feature(i).

#### **UF\_SO\_update\_after\_modeling**

The smart object updates after modeling (e.g. a dimension)

#### **UF\_SO\_update\_after\_parent\_body**

The smart object will always update after the last feature on the parent body.

#### **UF\_SO\_update\_mixed**

The smart object will update after the last feature on the parent body when the parent body is in a different part and updates within modeling in time-stamp order for parents in the same part

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## **UF\_SO\_visibility\_option\_e** ([view source](#))

Defined in: `uf_so.h`

Also known as:

- UF\_SO\_visibility\_option\_t
- UF\_SO\_visibility\_option\_p\_t

## Overview

SO visibility options.

## Data Members

### UF\_SO\_invisible

The smart object is not visible

### UF\_SO\_visible

The smart object is visible

### UF\_SO\_visible\_if\_parent\_invisible

The smart object is visible if  
a parent is not loaded (for extract).

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