

alpha_blending_v2.MaskCreator Class Reference

Public Member Functions

<code>__init__</code>	(self, image, transparency_factor)
<code>smoothstep</code>	(self, edge0, edge1, x)
<code>create_mask</code>	(self, image_side, mask_width, image_width)
<code>gammaCorrection</code>	(self, gamma)
<code>alpha_blending</code>	(self, image_side)

Public Attributes

<code>result_image</code>	= None
<code>transparency_factor</code>	= transparency_factor
int <code>__alpha_gradient</code>	= 0:
int <code>result_image</code>	= 1:

Constructor & Destructor Documentation

◆ `__init__()`

```
alpha_blending_v2.MaskCreator.__init__ ( self,
                                         image,
                                         transparency_factor )
```

Member Function Documentation

◆ `alpha_blending()`

```
alpha_blending_v2.MaskCreator.alpha_blending ( self,
                                                image_side )
```

Applies alpha blending on the gamma-corrected image.
Combines the gamma-corrected part of the image with a black background using the alpha gradient mask.

◆ `create_mask()`

```
alpha_blending_v2.MaskCreator.create_mask ( self,  
                                             image_side,  
                                             mask_width,  
                                             image_width )
```

◆ gammaCorrection()

```
alpha_blending_v2.MaskCreator.gammaCorrection ( self,  
                                                gamma )
```

◆ smoothstep()

```
alpha_blending_v2.MaskCreator.smoothstep ( self,  
                                            edge0,  
                                            edge1,  
                                            x )
```

Member Data Documentation

◆ __alpha_gradient

```
int alpha_blending_v2.MaskCreator.__alpha_gradient = 0:
```

◆ result_image [1/2]

```
alpha_blending_v2.MaskCreator.result_image = None
```

◆ result_image [2/2]

```
int alpha_blending_v2.MaskCreator.result_image = 1:
```

◆ transparency_factor

```
alpha_blending_v2.MaskCreator.transparency_factor = transparency_factor
```

The documentation for this class was generated from the following file:

- [alpha_blending_v2.py](#)

