

MaskCreator 2.MaskCreator Class Reference

Public Member Functions | Public Attributes | List of all members

Responsible for creating and applying masks to images. [More...](#)

Public Member Functions

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|--|
| <code>__init__</code> (self, image) |
| Initializes the MaskCreator object. |
| <code>create_mask</code> (self, image_side, mask_width, image_width) |
| Creates a mask based on given parameters. |
| <code>apply_gradient</code> (self) |
| Applies an alpha gradient to the mask. |
| <code>gamma_correction</code> (self, gamma_value) |
| Applies gamma correction to the image. |
| <code>getResult</code> (self) |
| Retrieves the final result image. |

Public Attributes

| |
|---------------------------|
| <code>result_image</code> |
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Detailed Description

Responsible for creating and applying masks to images.

This class provides functionalities to create masks, apply gradients, perform gamma correction, and retrieve the final result image.

Definition at line **10** of file [MaskCreator 2.py](#).

Constructor & Destructor Documentation

◆ __init__()

```
MaskCreator 2.MaskCreator.__init__ ( self,
                                image
                                )
```

Initializes the MaskCreator object.

Parameters
image The base image to which the mask will be applied.

Definition at line **17** of file [MaskCreator 2.py](#).

Member Function Documentation

◆ apply_gradient()

```
MaskCreator 2.MaskCreator.apply_gradient ( self )
```

Applies an alpha gradient to the mask.

This method modifies the internal state of the mask with an alpha gradient.

Definition at line **39** of file [MaskCreator 2.py](#).

◆ create_mask()

```
MaskCreator 2.MaskCreator.create_mask ( self,
                                image_side,
                                mask_width,
                                image_width
                                )
```

Creates a mask based on given parameters.

Parameters
image_side int: The side of the image to apply the mask.
mask_width int: The width of the mask.
image_width int: The width of the base image.

Definition at line **31** of file [MaskCreator 2.py](#).

◆ gamma_correction()

```
MaskCreator 2.MaskCreator.gamma_correction ( self,
                                gamma_value
                                )
```

Applies gamma correction to the image.

Parameters
gamma_value float: The gamma value for correction.

Definition at line **47** of file [MaskCreator 2.py](#).

◆ getResult()

```
MaskCreator 2.MaskCreator.getResult ( self )
```

Retrieves the final result image.

Returns
The final image after all mask and correction operations.

Definition at line **55** of file [MaskCreator 2.py](#).

Member Data Documentation

◆ result_image

```
MaskCreator 2.MaskCreator.result_image
```

Definition at line **21** of file [MaskCreator 2.py](#).

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

- /Users/weixiaoang/Downloads/pythonpbl/[MaskCreator 2.py](#)