

MagickWand for iOS - implode image

Asked 10 years, 10 months ago Modified 9 years, 11 months ago Viewed 296 times

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I am trying to implement the functionality of imploding a region within an image. I am using MagickWand within the iOS application, but through MagickWand API I am not able to specify the region of the image (through x and y coordinates) that I would like to implode. Implode seems to be taking only radius as parameter and seems to be using the center of the image as reference point for implode operation.

Currently, I am doing:

```
MagickImplodeImage(self->wand, -1.0);
MagickWandGenesis();
self->wand = NewMagickWand();
```

Does anyone have any experience doing this? Also, are there any other image processing libraries that you'd recommend for iOS?

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asked Feb 22, 2014 at 11:49



[bosist](#)

79 ● 1 ● 8

1 Answer

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ImageMagick's [Geometry](#) system will need to be invoked before implode operation. [MagickGetImageRegion](#) will create a new image to implode, and [MagickCompositeImage](#) would apply the sub-image back. An example [c](#) application would look like...

```
include <stdlib.h>
#include <stdio.h>
#include <wand/MagickWand.h>

int main ( int argc, const char ** argv)
{
    MagickWandGenesis();
    MagickWand * wand = NULL;
    MagickWand * impl = NULL;
```

```
wand = NewMagickWand();
MagickReadImage(wand, "source.jpg");
// Extract a MBR (minimum bounding rectangle) of area to implode
impl = MagickGetImageRegion(wand, 200, 200, 200, 100);
if ( impl ) {
    // Apply implode on sub image
    MagickImplodeImage(impl, 0.6666);
    // Place the sub-image on top of source
    MagickCompositeImage(wand, impl, OverCompositeOp, 200, 100);
}
MagickWriteImage(wand, "output.jpg");
if(wand)wand = DestroyMagickWand(wand);
if(impl)impl = DestroyMagickWand(impl);
MagickWandTerminus();
return 0;
}
```

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answered Jan 17, 2015 at 22:09



[emcconville](#)

24.4k ● 4 ● 51 ● 66
