
Subject: Re: Image Inpainting

Posted by [Jean H.](#) on Wed, 21 Jan 2009 12:42:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

erano wrote:

> Hello,
> I'm looking for a simple IDL code for Image Inpainting.
>
> Input is an image (2D) with small missing areas, and I wish to add
> values to the unknown pixels, based on the known pixels.
>
> Thanks
> Eran

Hi Eran,

there are a lot of ways of filling missing pixels... one of them is to have a 3*3 (or else) window that moves over your image. When the central pixel is a "missing" one, get the value of the pixels in the window and assign the majority value to the missing pixel... this works well for classification, you might want to do an average instead if you have continuous values.

The trick is not to assign the missing value to any pixel, even if it is the majority value, so you would have to iterate it several times... And of course, your window doesn't need to move over the whole image, just select the missing pixels via `Where()`.

Jean
