
Subject: Re: laplacian Kernal

Posted by [David Fanning](#) on Mon, 26 Apr 2010 13:35:53 GMT

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afzal writes:

- > can anybody help me to create 4 laplacian vector (one
- > dimensional) kernal Corresponding to the 4 directions.
- > thanking you

You can use the kernal you find on this page:

http://www.dfanning.com/ip_tips/sharpen.html

The vectors you want are just the horizontal, vertical, and diagonal values in this kernal. Set all other values to 0 and make sure the numbers you choose add up to 0. In other words, instead of [-1, 8, -1], you want [-3, 6, -3], or something similar, depending on what you are trying to do. For diagonal "vectors" you will have to use a square kernal. For horizontal and vertical vectors, you can just use vectors:

```
hvect = [-3, 6, -3]
vvect = Reform(hvect, 1, 3)
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
