
Subject: Re: 3D Matrix

Posted by [David Fanning](#) on Mon, 11 Nov 2002 21:04:45 GMT

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Pushya (pushyar@yahoo.com) writes:

- > In order to perform 3D dilation, i need to create a 3D structuring
- > element. Can anybody tell me how i can create a 3D matrix.
- > I have a 2D matrix as
- > Str_Elem = [[1,1,1],[1,1,1],[1,1,1]]
- > I want to extend it to 3D. Please help me with this.

Try this:

```
str_elem = Replicate(1, 3, 3, 3)
```

Cheers,

David

--

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

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Subject: Re: 3D Matrix

Posted by [pushyar](#) on Tue, 12 Nov 2002 18:35:38 GMT

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I think that will create a 3D matrix with all 'ones'. The structuring element i need will look like this.

```
Str_Elem1 = [[0,0,0],[0,1,0],[0,0,0]]
```

```
Str_Elem2 = [[0,1,0],[1,1,1],[0,1,0]]
```

```
Str_Elem3 = [[0,0,0],[0,1,0],[0,0,0]]
```

Replicate cannot create this. Please tell me if there's any way to create a 3D matrix like that.

Thanks,
Pushya.

David Fanning <david@dfanning.com> wrote in message
news:<MPG.1839c95c283394ad989a12@news.frii.com>...

> Pushya (pushyar@yahoo.com) writes:

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