
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:

>

>> 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
