
Subject: Re: Calculate the included angle between two vectors

Posted by [Pierre V.](#) on Thu, 09 Apr 2009 15:43:00 GMT

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On Apr 9, 7:14 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

> Is there a function which can calculate the included angle between
> two three-dimensional vectors?

>

> jdu

Here's a simple solution. Assume v1 and V2 are each three-element
vectors of any magnitude. Compute the angle in degrees as follows:

```
angle = acos( transpose(v1)#v2 / sqrt(total(v1^2)) / sqrt(total  
(v2^2)) ) * 180./!pi
```

Good luck.
