
Subject: Integrated area

Posted by [Julio\[1\]](#) on Fri, 09 Jun 2006 12:44:53 GMT

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Hi, let me try to explain my question...

Suppose I have a curve defined by the vectors x and y:

```
x=indgen(10)
```

```
y=[0.2, 0.25, 0.34, 0.40, 0.55, 0.60, 0.52, 0.42, 0.30, 0.28]
```

Now I'm calculating the area of the curve between 2 and 8 (in the x axis):

```
Area=int_tabulated(x[2:8],y[2:8])
```

This returns me the area below the curve considering $y=0$, the point where x and y crosses. However, I need to calculate the area below the curve considering $y=0.2$. How can I do that... I hope I was clear to explain my doubt :-)

Any comments welcome,

Best,
Julio
