
Subject: INT_TABULATED Errors

Posted by [Andy Loughe](#) on Fri, 21 Jan 2000 08:00:00 GMT

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From the manual...

CAUTION: Data that is highly oscillatory requires a sufficient number of samples for an accurate integral approximation.

I guess this CAUTION is to be taken seriously...
my data points don't seem so "oscillatory".

```
; Compute the area under the curve using INT_TABULATED
```

```
;
```

```
; Example 1
```

```
x = [0.0, 0.3333, 0.985, 1.0]
```

```
y = [0.0, 0.529, 0.894, 1.0]
```

```
plot, x, y, psym=-2, title='Example 1'
```

```
print, ' Too small ==> ', INT_TABULATED(x, y)
```

```
;
```

```
; Example 2
```

```
x = [0.0, 0.10, 0.79, 1.0]
```

```
y = [0.0, 0.67, 0.96, 1.0]
```

```
plot, x, y, psym=-2, title='Example 2'
```

```
print, ' Too large ==> ', INT_TABULATED(x, y)
```

We are now giving POLY_AREA a try!

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