

---

Subject: indefinite integration with IDL

Posted by [marco.grossi](#) on Sat, 28 Feb 2004 01:36:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

> I have a function of two variables  $f=f(E,y)$  and I want to calculate  
the  
> integral respect to  $y$ , where  $y$  ranges between 0. and a value which  
is a >function of  $E$ ,  $f(E)$ .  
> How can I calculate such an integral with IDL, since I want to plot  
my result >as a function of  $E$ ?

> That's what I have tried so far without any luck.  
> Here I have defined a very simple function for a start:

```
FUNCTION delta, y, E
RETURN, y / ( 2. * E * (1 - y) )
END
```

```
pro integral
E=findgen(11) + 1.
ymin=0.0
ymax = 1. - 1./E
result=qromb('delta',ymin,ymax)
```

```
;plot,E,result
```

```
END
```

> when I run it, it gives an error saying that the function E has not  
been >defined.

> Thanks

> Marco

---