
Subject: QROMB problem

Posted by [fskhk](#) on Mon, 08 Jul 2002 08:31:15 GMT

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I am working with Windows 98 and IDL 5.1. I want to get the integral of a function by using the QROMB or QSIMP function. I want to integrate to PHI, with R as a variable. How can I change the value of R each time calling the function. Here is my program (where I get the same answer each time, of cause):

```
FUNCTION cosvb1, phi
COMMON cosparm, R
  alfa=1.
  R=0.1
  RETURN, 1./SQRT(1.+R^2.*alfa^2.*(cos(phi-R))^2.)
END

a=0.0
b=!pi*2.0
R=0.1

ANSWER=fltarr(20)

for i=0,19 do begin
ANSWER(i)= (1./(2.*!pi))*QROMB('cosvb1',a,b,EPS=0.0001,JMAX=35)
print, answer(i)
R = R*1.1
endfor

END
```

I will appreciate any kind of help.

Helena
