
Subject: Bug in NR_QROMB?

Posted by [mallozzi](#) on Sun, 05 Feb 1995 20:49:34 GMT

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Hi all,

I needed to compute an integral, and the integrand itself contained a second integral, so I wrote a simple program to test this case using the IDL-supplied NR_QROMB. In order to use NR_QROMB, you must write a function that contains the integrand, and then you call NR_QROMB with this function name as a parameter. In my case, within my first function, I placed another call to QROMB to evaluate the inner integral (this is not a double integral), the result of which becomes part of the first integrand.

If I make BOTH calls to NR_QROMB in single or double precision, I get the wrong result. If I make one call single and the other call double, I get the correct result. Does anyone know what is happening?
