Subject: Re: QSIMP function
Posted by wlandsman on Thu, 12 Sep 2013 17:05:05 GMT
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One suggestion for improved accuracy is to interpolate your function at the midpoints of all your tabulated X values. You can use one of the options (e.g. spline,least-squares quadratic) in the INTERPOL() function without needing a loop. Then redo your trapezoidal integration routines but using twice as many points, then rebin your final answer by a factor of two.

On Thursday, September 12, 2013 11:58:40 AM UTC-4, fd_...@mail.com wrote:
>> So you don't want the area under a curve, but you want to get the area (estimated by a trapezoid) covered by consecutive points. Then the code you posted earlier is fine.
>
>
>
> The code for trapezoidal that I posted earlier it does not work very well, I have an underestimation because my data changes fast. That is why I am looking for an alternative method.
>
>
>
>> I presume you have millions of points if you are worried about using a FOR loop.
>
>
>
> Yeah because it takes me long time with a FOR loop.