Subject: Re: Integration
Posted by Craig Markwardt on Wed, 20 Feb 2013 18:20:48 GMT
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On Wednesday, February 20, 2013 12:00:32 PM UTC-5, fd_...@mail.com wrote:
> Hi all
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> I have a question about integration.
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> I used the DERIV function in order to differentiate a function. Now I want to integrate a function but don't know which function to this work. I want a function that do the same work as the DERIV function but in the "opposite direction". E.g. Assume Y=2t, the integral of DERIV(t,Y) equals Y=2t (which is obvious I think).

DERIV works on tabulated data. The inverse of DERIV for tabulated data is INT_TABULATED(). This may or may not be a good approximation to the integral depending on the shape of the function.

If you have a Y as a function of X, then you can use more advanced integrators like QROMB or QSIMP, or my own QPINT1D.

Craig Markwardt