
Subject: differential equation solving when changing the coefficients with time

Posted by [idlforum2424](#) on Mon, 05 Jan 2015 14:04:58 GMT

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Hi all,

I'd like to solve a differential equation in IDL using a Runge Kutta 4th order procedure. However the coefficients of my differential equation evolve with time. How can we pass the coefficients into the function that defines the differential equation or do you have any other way to manage that?

Typically my diff equation is something like $Y' = aY + b$ with a and b two functions of time and I want to solve that for all timesteps I have.

Thanks.
