Subject: cubics & quartics Posted by kachun on Wed, 10 Jul 1996 07:00:00 GMT

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Does anyone know of a (personal) library routine that can solve cubics and (even better yet) quartics? Nothing comes up on IDL help with searches for those keywords.

Subject: Re: cubics & quartics

Posted by llobet on Thu, 11 Jul 1996 07:00:00 GMT

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In article <4s1l2p\$n85@lace.colorado.edu>, kachun@bogart.Colorado.EDU (Ka Chun Yu) writes:

=In article <31E41FF0.F66@cdc.noaa.gov>, Andy Loughe <afl@cdc.noaa.gov> wrote:

=>Ka Chun Yu wrote:

=>>

=>> Does anyone know of a (personal) library routine that can solve cubics

=>> and (even better yet) quartics? Nothing comes up on IDL help with

=>> searches for those keywords.

=>

=>

=>Does fz_roots accomplish what you need?

=

=I guess fz_roots will work for now, but what I'm really interested in

=is a program that solves using the analytic solution for quartics (and

=I'm too lazy right now to program mine own in ;).

OK, just do it later, when you feel like it.

-xavier

Subject: Re: cubics & quartics

Posted by kachun on Thu, 11 Jul 1996 07:00:00 GMT

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In article <31E41FF0.F66@cdc.noaa.gov>, Andy Loughe <afl@cdc.noaa.gov> wrote:

> Ka Chun Yu wrote:

>>

>> Does anyone know of a (personal) library routine that can solve cubics

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>> and (even better yet) quartics? Nothing comes up on IDL help with
>> searches for those keywords.
>
> Does fz_roots accomplish what you need?
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I guess fz_roots will work for now, but what I'm really interested in is a program that solves using the analytic solution for quartics (and I'm too lazy right now to program mine own in ;). I basically have to create a 2-D array where each bin is the root of a quartic equation, so using fz_roots means looping through each bin of the array. This is okay for small arrays right now but not for any big ones in the future.