
Subject: cubics & quartics

Posted by [kachun](#) on Wed, 10 Jul 1996 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

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.

--

--kachun +** Center for Astrophysics and Space Astronomy **+
 +** University of Colorado, Boulder **+
 +** Email: kachun@casa.colorado.edu **+
 +** http://casa.colorado.edu/~kachun **+

Subject: Re: cubics & quartics

Posted by [llobet](#) on Thu, 11 Jul 1996 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <4s1I2p\$85@lace.colorado.edu>, kachun@bogart.Colorado.EDU (Ka Chun Yu) writes:

=In article <31E41FF0.F66@cdc.noaa.gov>, Andy Loughie <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

[View Forum Message](#) <> [Reply to Message](#)

In article <31E41FF0.F66@cdc.noaa.gov>, Andy Loughie <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 ;). 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.

> Andrew F. Loughe afl@cdc.noaa.gov
> University of Colorado, CIRES http://cdc.noaa.gov/~afl
> Campus Box 449 phn:(303)492-0707 fax:(303)497-7013
> Boulder, CO 80309-0449 "He who laughs last thinks slowest!"

--

--kachun +** Center for Astrophysics and Space Astronomy **+
 +** University of Colorado, Boulder **+
 +** Email: kachun@casa.colorado.edu **+
 +** http://casa.colorado.edu/~kachun **+
