
Subject: Re: Spectra (need routine)

Posted by [dank](#) on Mon, 08 Jul 1991 17:11:17 GMT

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legler@masig2.masig1.ocean.fsu.edu (David M. Legler) writes:

> BTW, does anyone have an anonymous FTP site for PV~Wave routines that
> might be useful ?? Seems like a natural thing to expect (?)

Here's an article from last week:

> From: sterner@warper.jhuapl.edu (Ray Sterner)

> Newsgroups: comp.lang.idl-pwwave

> Subject: ftp site with IDL routines

> Date: 26 Jun 91 23:51:08 GMT

> Organization: Johns Hopkins University

> An anonymous ftp site is now available containing about

> 300 IDL routines which may be of general interest.

> These routines have not been tested for PV-WAVE.

>

> The routines are available as compressed tar files for unix,
> and compressed backup files for VMS (a decompress utility for
> VMS is also available from this site).

>

> The routines mostly fall into the following broad categories:

> Text Files, Text strings, Date & time routines, Information,

> Plotting/Graphics, Imaging, Array processing, Math routines,

> Programming routine, Miscellaneous, FITS image routines.

> Many of the routines should work on any computer system, some

> require X windows, some require Postscript printers. Many have

> been run on VAX VMS, SUNOS, HP-UX, and MSDOS.

>

> Accessing the ftp site

> -----

> ftp 128.244.147.14 (fermi.jhuapl.edu)

> For Name type: anonymous

> For Password type anything.

> Do the following ftp commands:

> Command Comment

> ----- -----

> cd idl-pwwave/jhuapl Change to IDL library directory.

> get README Get the site description file.

> get cat.one Optional. One line description of each routine.

> bye

>

> Here is a sample extract from the one line descriptions file, cat.one:

> getwrd = Return the n'th word from a text string.

> wordarray = Convert a text string or string array into a 1-d array of words.

> date2ymd = Date text string to the numbers year, month, day.

> jd2ymd = Find year, month, day numbers from julian day number.

- > timeaxis = Plot a time axis.
- > ymd2jd = From Year, Month, and Day compute Julian Day number.
- > set_isoxy = Set data window with equal x & y scales.
- > psinit = Redirect plots and images to postscript printer.
- > makez = Make simulated 2-d data. Useful for software development.
- > imgunder = Display image in same area as last plot.
- > topo = Make a monochrome shaded relief view of a surface.
- > binbound = For binary image return array with boundary points set to 1.
- > radon = Compute the Radon Transform using the FFT method.
- > kurf = Computes kurtosis inside a moving window.
- > skewf = Computes skew inside a moving window.
- > varf = Computes variance inside a moving window.
- > ave2d = Average rows or columns of a 2-d array.
- > factor = Find prime factors of a given number.
- > nicenumber = Find a nice number close to the given number.
- > polrec = Convert 2-d polar coordinates to rectangular coordinates.
- > recpol = Convert 2-d rectangular coordinates to polar coordinates.
- > rot_3d = Rotate 3-d coordinate system.
- > skewint = Give the near-intersection point for two skew lines.
- > opfit2d = Calculate orthonormal polynomial fit for 2-d data.
- > convexhull = Return the convex hull of a polygon.
- > prime = Return an array with the specified number of prime numbers.
- > mandelbrot = Compute Mandelbrot images
- > filename = File names with system independent symbolic directories.
- > sun = Computes geocentric physical ephemeris of the sun.
