Subject: Re: Spectra (need routine)
Posted by dank on Mon, 08 Jul 1991 17:11:17 GMT
View Forum Message <> Reply to Message

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-pvwave
> 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, Miscellanious, 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-pvwave/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.
