Chandra X-ray Center

AHELP for CIAO 3.4

list_par

Context: sherpa

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Synopsis

Module function that lists information about all defined model parameters.

Syntax

```
Void_Type list_par()
list_par
```

Description

This function causes a table to be displayed with the following columns:

Columns in list_par Output

Label	Displays:
Name	The parameter name in the form <modelname>.<paramname>
Type	Source/background model (src) or instrument model (inst)
Value	The current value of the parameter, or the filename if appropriate
Lnk	If 1, indicates that the listed parameter's value is linked to other parameter(s) (which are listed)
Frz	If 1, indicates that the parameter's value is frozen
{Min	Max}	The current (soft, i.e., changable) parameter lower and upper bounds
Delta	The initial step size for the parameter in fits, with a negative value indicating that a default (usually 0.01 times Value) will be used

See the related Sherpa command SHOW for more information.

Example

Set up a Sherpa session; use list_par to show parameters:

```
sherpa> SOURCE = GAUSS[g]
sherpa> GAUSS[g2]
sherpa> g2.pos => g.pos
sherpa> RSP[a](example.rmf,example.arf)
sherpa> list_par
```

```
 #     Name Type          Value Lnk Frz         Min          Max        Delta
 1  g.fwhm  src          2.6593   0   0    0.026593       265.93           -1
 2   g.pos  src         0.94418   0   0    0.027614       14.549           -1
 3  g.ampl  src      0.00010564   0   0  1.0564e-06     0.010564           -1
 4 g2.fwhm  src          3.5711   0   0    0.035711       357.11           -1
 5  g2.pos  src         0.94418   1 => g.pos
 6 g2.ampl  src       0.0010453   0   0  1.0453e-05      0.10453           -1
 7   a.rmf inst   "example.rmf"
 8   a.arf inst   "example.arf"
```

Bugs

See the Sherpa bug pages online for an up−to−date listing of known bugs.

See Also

chandra
>   guide

sherpa

>   bye, calc_kcorr, dataspace, dcounts, dollarsign, echo, eflux, eqwidth, erase, flux, get,
>   get_dcounts_sum, get_dir, get_eflux, get_eqwidth, get_filename, get_flux2d, get_flux_str,
>   get_lfactorial, get_mcounts_sum, get_pflux, get_source_components, get_verbose, groupbycounts,
>   guess, is, journal, list, mcounts, numbersign, paramest, plot_eprof, plot_rprof, prompt, reset, run, set,
>   set_analysis, set_axes, set_coord, set_dataspace, set_dir, set_verbose, setplot, sherpa−module,
>   sherpa_plotfns, sherpa_utils, show, simspec, use, version