



AHELP for CIAO 3.4

get_models

Context: [sherpa](#)

Jump to: [Description](#) [Example](#) [Bugs](#) [See Also](#)

Synopsis

Module functions that return lists of available source and instrument models

Syntax

```
Array_Type get_models([String_Type])
Array_Type get_inst_models([String_Type])

Error Return Value: NULL

Argument:

(1) matching string (default none: get all model names)
```

Description

Returns a string array containing the names of all appropriate Sherpa source or instrument models. (This includes XSPEC models and user-defined models.) If a string argument is provided (e.g., "xs"), only those models whose names contain matching substrings will be returned. Beware of case-sensitivity: upper-case matching strings will yield a NULL return.

Example

List all models with psf in their names.

```
sherpa> psfmods = get_inst_models("psf")
sherpa> printarr(psfmods)
fpsf1d
fpsf2d
tpsf1d
tpsf2d
```

Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

See Also

sherpa

[autoest](#), [background](#), [create](#), [create_model](#), [createparamset](#), [fit](#), [freeze](#), [get_defined_models](#),
[get_model_params](#), [get_num_par](#), [get_par](#), [get_stackexpr](#), [getx](#), [gety](#), [guess](#), [instrument](#), [integrate](#),
[is_paramset](#), [jointmode](#), [kernel](#), [lineid](#), [linkparam](#), [mdl](#), [modeexpr](#), [modelstack](#), [nestedmodel](#), [noise](#),
[paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_paramset](#), [set_stackexpr](#), [source](#), [thaw](#),
[truncate](#), [unlink](#)

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:
http://cxc.harvard.edu/ciao3.4/get_models.html
Last modified: December 2006