



AHELP for CIAO 3.4

get_models

Context: [sherpa](#)

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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
tpsfl1d
tpsfl2d
```

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](#), [modeleexpr](#), [modelstack](#), [nestedmodel](#), [noise](#),
[paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_paramset](#), [set_stackexpr](#), [source](#), [thaw](#),
[truncate](#), [unlink](#)

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URL:
http://cxc.harvard.edu/ciao3.4/get_models.html
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