

*AHELP for CIAO 3.4*

get_stackexpr

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Synopsis

Module functions to retrieve a model stack expression.

Syntax

```
String_Type get_source_expr([Integer_Type])
String_Type get_bg_expr([Integer_Type])
String_Type get_inst_expr([Integer_Type])
String_Type get_sinst_expr([Integer_Type])
String_Type get_binst_expr([Integer_Type])
```

Error Return Value: NULL

Arguments:

(1) Dataset number (default 1)

Description

These functions get model stack expressions; `get_sinst_expr` and `get_binst_expr` get instrument model stack expressions for the source dataset only, and the background dataset only, respectively.

See the related Sherpa commands `SOURCE`, `BACKGROUND`, and `INSTRUMENT` for more information.

Example 1

Specify the source model stack expression for dataset 3, then retrieve it:

```
sherpa> PARAMPROMPT OFF
sherpa> GAUSS[g]
sherpa> POW[p]
sherpa> () = set_source_expr(3, "p+g")
sherpa> get_source_expr(3)
(p + g)
```

Example 2

Specify and retrieve a source model stack expression for dataset 1:

```
sherpa> () = set_source_expr("xswabs[xs1]*(pow[p]+gauss[g])")
sherpa> get_source_expr()
(xs1 * (p + g))
```

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_models](#), [get_num_par](#), [get_par](#), [getx](#), [gety](#), [guess](#), [instrument](#), [integrate](#),
[is_paramset](#), [jointmode](#), [kernel](#), [lineid](#), [linkparam](#), [mdl](#), [modelexpr](#), [modelstack](#), [nestedmodel](#), [noise](#),
[paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_paramset](#), [set_stackexpr](#), [source](#), [thaw](#),
[truncate](#), [unlink](#)

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