



AHELP for CIAO 3.4

box2d

Context: [sherpa](#)

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Synopsis

2-D box function. Integration OFF.

Description

A 2-D box model:

$$f(x,y) = A$$

if $x_{low} \leq x \leq x_{hi}$ and $y_{low} \leq y \leq y_{hi}$,

$$f(x,y) = 0 \text{ otherwise}$$

BOX2D Parameters

Number	Name	Description
1	xlow	low x cut-off x_{low}
2	xhi	high x cut-off x_{hi}
3	ylow	low y cut-off y_{low}
4	yhi	high y cut-off y_{hi}
5	ampl	amplitude A

See "ahelp integrate" for further information about source model integration.

Bugs

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

See Also

sherpa

[atten](#), [bbody](#), [bbodyfreq](#), [beta1d](#), [beta2d](#), [box1d](#), [bpl1d](#), [const1d](#), [const2d](#), [cos](#), [delta1d](#), [delta2d](#), [dered](#), [devaucouleurs](#), [edge](#), [erf](#), [erfc](#), [farf](#), [farf2d](#), [fpsf](#), [fpsf1d](#), [frmf](#), [gauss1d](#), [gauss2d](#), [gridmodel](#), [hubble](#), [jdpileup](#), [linebroad](#), [lorentz1d](#), [lorentz2d](#), [models](#), [nbeta](#), [ngauss1d](#), [poisson](#), [polynom1d](#), [polynom2d](#), [powlaw1d](#), [ptsrc1d](#), [ptsrc2d](#), [rsp](#), [rsp2d](#), [schechter](#), [shexp](#), [shexp10](#), [shlog10](#), [shloge](#), [sin](#), [sqrt](#), [steph1d](#),

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steplo1d, tan, tpsf, tpsf1d, usermodel, xs, xsabsori, xsacisabs, xsapec, xsbapec, xsbody, xsbodyrad,
xsboxray, xsboxriv, xsboxpower, xsboxmc, xsboxremss, xsboxvapec, xsc6mekl, xsc6pmekl, xsc6pvmkl,
xsc6vmekl, xscabs, xscemekl, xscevmkl, xscflow, xscmpbb, xscmpls, xscmpst, xscmpptt, xsconstant,
xscutoffpl, xscyclabs, xsdisk, xsdiskbb, xsdiskline, xsdiskm, xsdisko, xsdiskpn, xsdust, xsedge, xsequil,
xsexpabs, xsexpdec, xsexpfac, xsgabs, xsgaussian, xsgnei, xsggrad, xsgrbm, xshighcut, xshrefl, xslaor,
xslorentz, xsmeka, xsmekal, xsmkcflow, xsnei, xsnotch, xsnphock, xsnsa, xsnntee, xspcfabs,
xspgpwrlw, xspexray, xspexriv, xspfabs, xsplabs, xsplcabs, xspesm, xspowerlaw, xspshock, xspwab,
xstraymond, xstredden, xstredge, xstrefsch, xstsedov, xstmedge, xstpline, xstsrcut, xstresc, xstssice, xststep,
xstbabs, xstbgrain, xstbvarabs, xstuvred, xstvapec, xstvarabs, xstvbremss, xstvequil, xstvgnei, xstvmcflow,
xstvmeka, xstvmekal, xstvnei, xstvnphock, xstvpfabs, xstvpshock, xstvraymond, xstvsedov, xstwabs,
xstwndabs, xstxion, xstzbody, xstzbremss, xstzedge, xstzgauss, xstzhigect, xstzpcfabs, xstzphabs,
xstzpowerlw, xstztbabs, xstzvarabs, xstzveabs, xstzvphabs, xstzwabs, xstzwndabs

slang

usermodel

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian
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URL:
<http://cxc.harvard.edu/ciao3.4/box2d.html>
Last modified: December 2006