



AHELP for CIAO 3.4

## pix\_gdp\_to\_gac

Context: [pixlib](#)

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## Synopsis

Convert from the Grating Dispersion Plane (GDP) to Grating diffracted Angular coordinates (GAC) system.

## Syntax

```
Array_Type pix_gdp_to_gac( Double_Type x, Double_Type y )
```

## Description

This routine converts a position in the Grating Dispersion Plane (GDP) coordinate system to the matching position in the Grating diffracted Angular Coordinate (GAC) system, using the current settings of the [pixlib](#) module. The (x,y) values are the GDP coordinates in pixels. The return value is a two-element array which contains the grating dispersion and cross-dispersion coordinates in degrees.

## Bugs

See the [bugs page for the pixlib library](#) on the CIAO website for an up-to-date listing of known bugs.

## See Also

*modules*

[pixlib](#)

*pixlib*

[pix\\_gac\\_to\\_gdp](#), [pix\\_get\\_energy](#), [pix\\_get\\_grating\\_wavelength](#)

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URL:  
[http://cxc.harvard.edu/ciao3.4/pix\\_gdp\\_to\\_gac.html](http://cxc.harvard.edu/ciao3.4/pix_gdp_to_gac.html)  
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