

## CTabList

```
Cursor A ywave,0  
Print CsrXWaveRef(A)[50] // prints value of xwave at point #50
```

### See Also

**Programming With Cursors** on page II-321.

**Wave Reference Functions** on page IV-197.

## CTabList

### CTabList()

The CTabList function returns a semicolon-separated list of the names of built-in color tables. It is useful for creating pop-up menus in control panels.

Color tables available through Igor Pro 4:

|              |             |           |         |              |
|--------------|-------------|-----------|---------|--------------|
| Grays        | Rainbow     | YellowHot | BlueHot | BlueRedGreen |
| RedWhiteBlue | PlanetEarth | Terrain   |         |              |

Additional color tables added for Igor Pro 5:

|                 |                |               |              |                 |
|-----------------|----------------|---------------|--------------|-----------------|
| Grays256        | Rainbow256     | YellowHot256  | BlueHot256   | BlueRedGreen256 |
| RedWhiteBlue256 | PlanetEarth256 | Terrain256    | Grays16      | Rainbow16       |
| Red             | Green          | Blue          | Cyan         | Magenta         |
| Yellow          | Copper         | Gold          | CyanMagenta  | RedWhiteGreen   |
| BlueBlackRed    | Geo            | Geo32         | LandAndSea   | LandAndSea8     |
| Relief          | Relief19       | PastelsMap    | PastelsMap20 | Bathymetry9     |
| BlackBody       | Spectrum       | SpectrumBlack | Cycles       | Fiddle          |
| Pastels         |                |               |              |                 |

Additional color tables added for Igor Pro 6:

|                    |                 |                |          |       |
|--------------------|-----------------|----------------|----------|-------|
| RainbowCycle       | Rainbow4Cycles  | GreenMagenta16 | dBZ14    | dBZ21 |
| Web216             | BlueGreenOrange | BrownViolet    | ColdWarm | Mocha |
| VioletOrangeYellow | SeaLandAndFire  |                |          |       |

Additional color tables added for Igor Pro 6.2:

|     |                |
|-----|----------------|
| Mud | Classification |
|-----|----------------|

Additional color tables added for Igor Pro 9:

Turbo

### See Also

**Image Color Tables** on page II-392, **Color Table Waves** on page II-399, **ColorTab2Wave**

## CtrlBackground

**CtrlBackground** [*key* [= *value*]]...

The CtrlBackground operation controls the unnamed background task.

CtrlBackground works only with the unnamed background task. New code should use named background tasks instead. See **Background Tasks** on page IV-319 for details.

### Parameters

|                  |   |
|------------------|---|
| dialogsOK=1 or 0 | If 1, your task will be allowed to run while an Igor dialog is present. This can potentially cause crashes unless your task is well-behaved.                                |
| noBurst=1 or 0   | Normally (or noBurst=0), your task will be called at maximum rate if a delay causes normal run times to be missed. Using noBurst=1, will suppress this burst catch up mode. |