A contained method from calibrater: plotcal.

1.6.2 freqselmanager - Tool

Package synthesis
Module map

Data manager for freqsel data items
include "freqselmanager.g"

Constructors

freqselmanager Create a freqsel data manager

Functions

channel Create a freqsel data item representing frequency channel selection
velocity Create a freqsel data item representing velocity selection

Overview of freqselmanager tool functions
A freqsel data item is a data item representing different forms of frequency selection. The freqsel data manager allows the creation of freqsel data items of the following types:

- channel - a freqsel data item representing selection by frequency channel.
- velocity - a freqsel data item representing selection by velocity.

freqselmanager - Constructor

Package synthesis
Module map
Tool freqselmanager

Create a freqsel data manager

Synopsis
freqselmanager()

Arguments

Returns
freqselmanager tool
or fail

Description

Constructs a freqsel data manager, which can be used to create freqsel data items of the enumerated types. The default freqsel data manager is called dfq, and is created when the the file freqselmanager.g is included.

Example

```
myfq := freqselmanager()
```

This creates a freqsel manager called myfq.

---

freqselmanager.channel - Function

Package	synthesis
Module	map
Tool	freqselmanager

Create a freqsel data item representing frequency channel selection

Synopsis
channel(nchan, start, step)

Arguments

nchan	No. of channels Allowed:Int Default:1
start	Start channel Allowed:Int Default:1
step	No. of channels to step Allowed:Int Default:1

Returns
freqsel data item
or fail

Description

This function creates a freqsel data item representing selection by frequency channel.

Example

```
myfq:= freqselmanager();
item1:= myfq.channel(nchan=64, start=2, step=1);
```

Create a freqsel data item item1 containing 64 selected channels, starting at channel 2 and stepping by 1 channel.

---

freqselmanager.velocity - Function

Package synthesis
Module map
Tool freqselmanager

Create a freqsel data item representing velocity selection

Synopsis
velocity(frame, nchan, mstart, mstep)

Arguments