RA disp

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Chapter 1

Introduction

This repo hosts some tools for radio astronomy signal processing. This includes both stand-alone tools as well as codes to explore concepts. There is no guarantee that the codes will work, and eveything here is experimental !

1.1 Hosted codes

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

Chapter 3

File Documentation

3.1 pipe_spec_plplot.c File Reference

This is a sample consumer code to get data from a shared memory, perform FFT using FFTW3 and plot using pgplot.

```
#include <stdio.h>
#include <math.h>
#include <unistd.h>
#include <plplot/plplotP.h>
#include <fftw3.h>
```

Macros

- #define **NFFT** 4096

Functions

- void **linspace** (double *arra, double low_value, double high_value, int N_points)
- double **array_min** (double *in_array, int N_points)
- double **array_max** (double *in_array, int N_points)
- int **main** ()

3.1.1 Detailed Description

This is a sample consumer code to get data from a shared memory, perform FFT using FFTW3 and plot using pgplot.

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