

Function 'gensimdata.m'

This is the main function to generate simulation data about multiple source GW signals.

How to use

Use the 'test_gensimdata.m' file to generate data files.

Parameters in 'test_gensimdata.m'

NumGwsources

```
number of GW sources.
```

NumPulsar

```
number of pulsars.
```

NumNoiseReali

```
number of noise realizations H1
```

NumRealiNoise

```
number of realization of noise only cases H0
```

Function 'Paremeters.m'

In this function you can set up the search area for PSO and the starting epoch of the observation.