

Search for periodic interferences in LIGO O1 data

We present results of a search of periodic interferences in O1 data. The code searches for periodicities in narrowband time domain segments that are analysed by Time Domain F-statistic pipeline. Accuracy of the parameter estimation by the code is simulated. The frequencies of the periodic interferences are compared with data set of instrumental environmental lines found by other software. Some previously unknown interferences are identified.

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