

F-statistic analyses with lalpulsar and PyFstat

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The F-statistic is one of the standard methods for CW searches. We will look at its general motivation from both Frequentist and Bayesian perspectives, its frequency-domain implementation in lalpulsar, and the practical aspects of both coherent and semicoherent searches based on it. We will then use the python package PyFstat for some interactive practical examples.

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