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**Detecting Low Frequency Timing Irregularities in Radio Pulsar Data** CESAR ERNESTO CANTU, FREDRICK A. JENET, University of Texas at Brownsville — Pulsars, particularly millisecond pulsars, are known to be some of the most precise clocks in the universe. Because of their stability, pulsars have been proposed as a means to detect gravitational waves. As it turns out gravitational waves introduce low frequency timing irregularities. Here, we discuss a new technique to detect this low frequency timing irregularities and compared them to standard Fourier Transform based techniques.

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