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Abstract:

We propose the Five-hundred-meter Aperture Spherical radio Telescope (FAST) observation of 8 pulsars selected from the psrcat catalog. The 8 pulsars have not been detected in radio band before and thus do not have the Dispersion Measure (DM) values. Due to its high sensitivity, we wish to use FAST to search for their possible radio signals and thus obtain their DM values. Any detection with FAST would help us improve our understanding of these pulsars in their emission characteristics and their local environments. If we, unfortunately, do not detect any radio signal, we will provide the radio detection upper limits of these pulsars.