

Pulsar time scale and its future application

Ding Chen¹, George Hobbs², William Coles³,
and Richard Manchester²

¹Center for Space Science and Applied Research (National Space Science Center), China
email: ding@nssc.ac.cn

²ATNF, CSIRO, Australia

³University of California at San Diego, USA

Abstract. An Ensemble Pulsar Time Scale (EPT) is derived based on the Pulsar Timing Array. It is interesting to compare the EPT with the TT terrestrial time scale, and get many new realization on the pulsar time scale and the algorithm. Some future interesting applications of the EPT are described and discussed.
