A DYNAMICAL ANALYSIS OF SYSTEMATIC ERRORS IN STAR CATALOGUES

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One of the main aims in Astronomy is the definition and materialization of a precise celestial reference system. The materialization of such a system, the star catalogues, are affected by two kinds of errors, systematic and aleatory. A dynamical correction is proposed to deal with systematic errors in which these errors are treated together with the ones that affect the orbital elements of the minor planets used in the process.