

ON THE IMPROVEMENT OF THE α_δ SYSTEM OF THE FK4 CATALOGUE*

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Abstract. About 45 000 absolute and semi-absolute observations of right ascension of the FK4 stars were obtained during 1963–1972. The observations were made with the three instruments of the Cerro Calán Observatory jointly by Chilean and Soviet astronomers. As a result, systematic $\Delta\alpha_\delta \cos\delta$ errors were found to exist in the FK4 catalogue. For the reduction of star observations according to the SRS program, it is necessary to derive the system of the $\Delta\alpha$ corrections for the FK4.

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