

**EFFECT OF THE REFERENCE CATALOG SYSTEM TO
THE ASTEROID POSITIONS OF MPC DATA BASE**

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The results of analysis MPC asteroid positions are presented. The database contains asteroid positions were obtained with about 50 reference catalogues by different observers. The problems of star systematic errors and astrometric weighting are discussed with using observations of the 12 selected asteroids. The observational series for these asteroids include 30-year period obtained with Zone Astrograph in Nikolaev during 1960-1990. The residuals $(O - C)_{\alpha, \delta}$ of the selected asteroids has shown significant linear trends that change with using catalog bias corrections.