

Light curves, photometrical parameters and brightness outbursts of comets: catalogue

V. Filonenko (1) and K. Churyumov (2)

(1) Institute of Astronomy V.N.Karazin Kharkov National University, Kharkiv, Ukraine
(filonenko@astron.kharkov.ua), (2) Astronomical Observatory of Taras Shevchenko Kiev National University, Kiev, Ukraine

We are presented a catalogue (first version) of light curves, photometrical parameters and brightness outbursts of comets. This catalogue is a result of our long-term study of the photometrical behavior and outburst activity of comets.

For each comet the catalogue contains the all visual estimations of integrated brightness and the results of data processing: a light curve, the photometrical parameters, a list of brightness outbursts, the peculiarities of photometrical evolution and outburst activity. Also the results of comparison between photometrical peculiarities of comets and variations of solar activity are presented for each comet. For periodical comets the catalogue contains also the peculiarities of secular brightness variations.