

Photometric Stellar Catalogue for TV meteor Astronomy

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Ordinary meteor observations to provide maximal limiting magnitude for meteors use whole spectral band of visible light. As well-known photometric catalogues were adjusted to astrophysical purposes and present stars' brightness in middle-band or narrow-band photometrical systems, they cannot be directly used for meteor observations processing. We present a special photometric catalogue of 93 stars that contains extra-atmospheric light flux from the stars directly in energy units just in the spectral band where WATEC LCL 902 is sensitive. All data were calculated as integral from multiplication of the spectral sensitivity of the ICX429ALL sensor and energy distribution in each star emission for 25-angstrom wavelength bands. Presented Photometric Catalogue covers northern hemisphere stars with brightness above $m_v = 4,0$. As meteors are shining at the very upper atmosphere, their optical observations are done through the same atmosphere as referred stars, so all calculated meteor luminance's will be obtained directly in extra-atmospheric energy units. The Catalogue is planned to be available for all meteor observers.