

Abstract

This bachelor's thesis focuses on the evolution of photometry in astronomy. It begins with the first astronomers of the classical era, follows the improvement of star atlases, before and after the discovery of the telescope. The thesis documents the discovery of optical photometers, photography and photoelectric cells and the influence of these on photometry. Throughout the advancement in technology, the thesis follows the changes in astronomical photometry, from the definition of the magnitude to the introduction of colour indices. The historical excursion ends in the present time — with the use of CCD sensors and key space missions of the modern era. The thesis also focuses on the history of variable star photometry. It also lists the observatories in Czech Republic, or more precisely their instruments, with photometric research.