

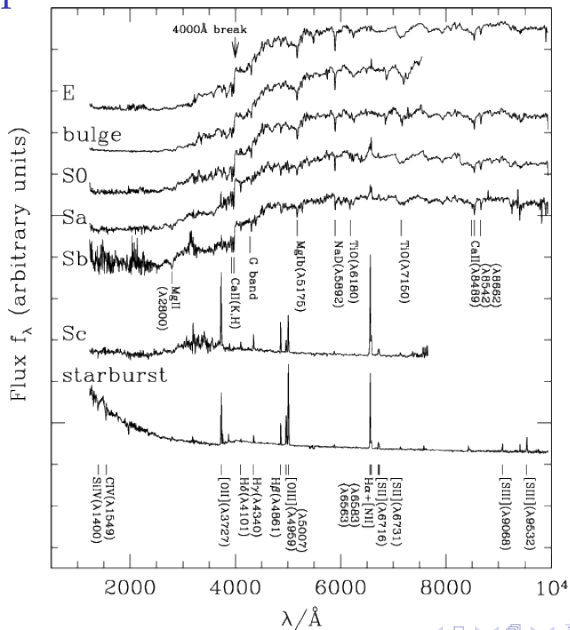
Astronomical observations, Stars, & Galaxies

Distance measurements, Stars,
Galaxy classification & Galaxy population
statistics

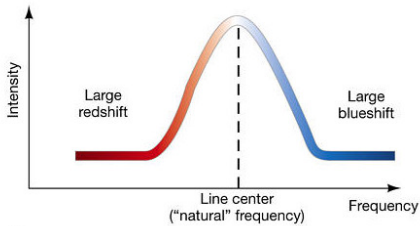
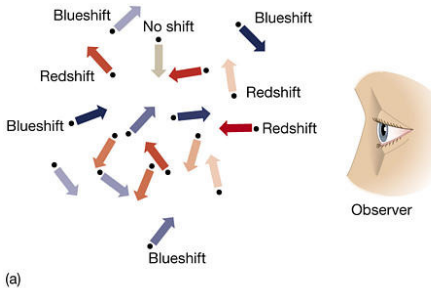
September 6, 2022

University of Rochester

Example spectra

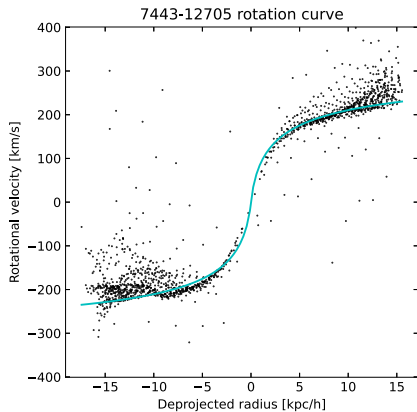
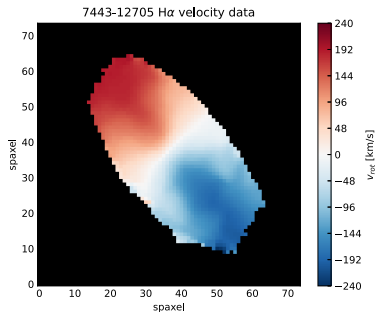


Spectral line broadening



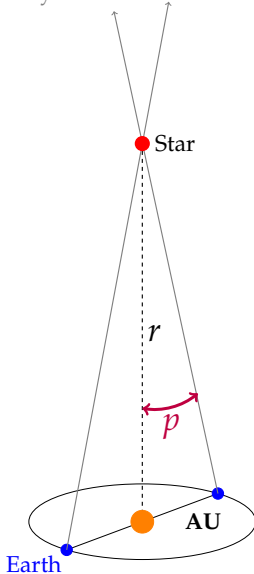
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Spectral kinematics

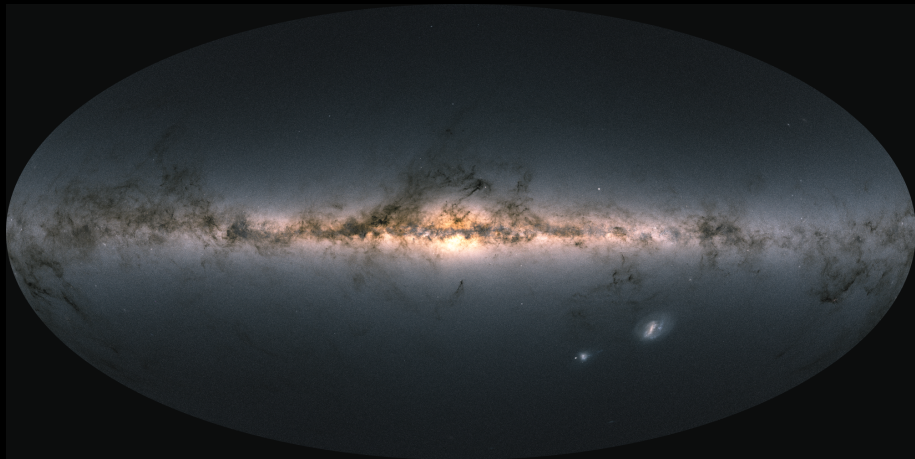


Trigonometric parallax

January view July view



Milky Way from Gaia



Cepheid variable stars

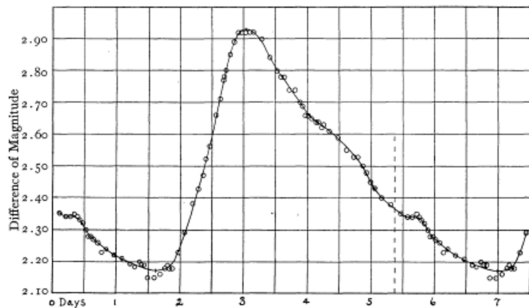
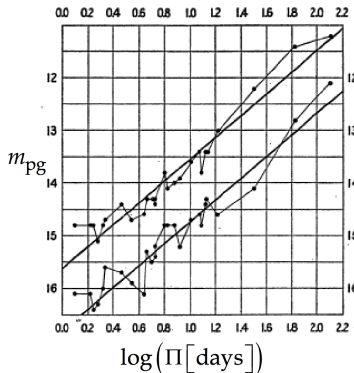


FIG. 1.—Light-Curve of δ Cephei.



Evolution of H_0

