BCD - Chalonge and Divan - 1952

Classification of early type stars from the region around the Balmer jump as recorded on prismatic spectra.

GENERAL INFORMATION

AUTHORS	D. Chalonge and L. Divan
TELESCOPE	Cassegrain coudè focus, Jungfraujoch Observatory
DETECTOR	Ilford Zènith and Kodak 103a-O plates
MAIN ARTICLE	Chalonge D., Divan L. 1952, Ann. Astron. 15, 201

SYSTEM DESCRIPTION

Three quantities (D, λ_1 and Φ_b) are defined over the 3300-4600 Å portion of photographic prism spectra.

D measures the magintude of the Balmer discontinuity, λ_1 indicates the effective location of the Balmer discontinuity in the spectrum and Φ_b is related to the slope of the continuum in the blue region of the spectrum longward of the Balmer discontinuity (3800 - 4800 Å) [65].

SYSTEM ANALYSIS

RELATIONS WITH OTHER SYSTEMS [26]

UBV - Johnson and Morgan - 1953

$D = 0.525\,(Q+1)$ for stars O9 - A2, lum. class V