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# Statistical study of line profiles in observed massive binary stars

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## Abstract

We present an Echelle spectroscopic catalogue which until now includes more than 150 O stars observed with the 2.1 meters telescope at the Observatorio Astronómico Nacional in San Pedro Mártir, Baja California, México. Obtained spectra have a resolution of  $R=18,000$  at 5,000 Å, covering a wavelength range from 3760 Å to 7400 Å. For the objects in the sample a statistical study of typical stellar winds lines profiles for simple and binary stars is presented.

**Keywords:** O stars, stellar winds, rotation velocity

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