

Seminar Fizičkog odsjeka

Time (s.t.)

Place

Wednesday 26th April, 15:00 h

room F-201

Spectroscopic analysis of oscillating Algol-type stars — a challenge

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I will shortly introduce the class of oscillating Algol-type stars and discuss their outstanding properties for stellar evolution studies and the advantages of their analysis with asteroseismic methods. Then I will focus on the comparison of different methods of the determination of accurate radial velocities for this class of eclipsing binary stars that shows a pronounced Rossiter effect. Finally, I will introduce a newly developed method that allows to determine separate LSD profiles of the components of EBs and to restore the corresponding spectra. The method will be able, for the first time, to obtain a time series of spectra of the components of a binary from a time series of composite spectra.

Voditelji seminara FO
Damir Pajić i Ivica Smolić