
Pulsations in Algols current status of researches

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The review presents the current status of researches of pulsating components in semi-detached (Algol-type) systems. I will show the important preferences of the pulsation mode identifications in eclipsing binaries in respect to a single stars. On example of well-studied systems I will show effects of the gas-stream and circum-stellar accretion envelope on the orbital modulation of the pulsation radial velocity amplitudes that can be used for mode-identification and study of gas envelope spatial density. The influence of rapid mass-transfer episodes on short-term and long term stability of pulsations will be discussed and several examples of pulsational observables that can be used to glean valuable information about the binary system and its evolutionary status will be suggested.