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## **Orbital Solution of Spectroscopic Binary: HD 10259**

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Since 2007, the TUBITAK National Observatory (TUG) has been conducting precise Doppler surveys of G-K giant stars, which have identified several stars with radial velocities between 1 and  $10 \ kms^{-1}$ . Among these stars is HD 10259, which exhibits a radial velocity variation with an amplitude of about 5  $\ kms^{-1}$  over a period of 550 days. Using the 1.5m RTT150 telescope at TUG and an iodine ( $I_2$ ) absorption cell, we obtained precise radial velocity measurements of the star and performed an orbital analysis to derive the system's orbital parameters. Our analysis revealed that HD 10259 is a single-lined spectroscopic binary with a very high eccentricity ( $e \sim 0.65$ ). We also obtained a minimum mass of the component, which is estimated to be  $m_2 sini \sim 0.21 M_{\odot}$ .

Author: Mr KUL, Mehmet Alperen (Ankara University, Ankara, Türkiye)Presenter: Mr KUL, Mehmet Alperen (Ankara University, Ankara, Türkiye)Session Classification: Stellar astrophysics and interstellar medium