Study of Pulsation Properties of Five Delta Scuti Stars

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The pulsation properties of five Delta Scuti stars were analyzed using photometric data provided by the Transiting Exoplanet Survey Satellite (TESS). All studied stars have been observed by TESS during the period of 12 months with the 2 minutes cadence. For each star we have determined pulsations with significant amplitudes (SNR > 4.0), respective frequencies and phases, and their errors employing the designated code Period04. The amount of frequencies measured for these stars ranged from 34 to 102. The values of derived frequencies were used to estimate a large frequency separation for each studied Delta Scuti star. Our results obtained for HD46190 are in good accordance with the previously published data, while the results derived for the other four Delta Scuti stars are new and unique.