Recent findings from Kepler observations of subdwarf B stars

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Abstract

During Kepler's main mission, nearly 20 pulsating subdwarf B (sdB: extreme horizontal branch) stars were discovered. Many of these stars were observed in short cadence for three years. Discoveries include nearly-evenly-spaced asymptotic period overtones and rotationally-induced frequency multiplets. In this poster we highlight some of our recent discoveries including multiplets which indicate radially differential rotation, overtone sequences which indicate trapped modes in one star and no mode trapping in another, and oscillations that display stochastic properties.

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