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Title: Kepler and the RR Lyrae stars
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Abstract: For the astrophysically valuable RR Lyraes, data of Kepler precision and coverage were needed to bring us to the next level of understanding of these stars, and to raise new questions. Close to 50 RR Lyrae stars are currently known in the Kepler field - the prototype of the class (RR Lyr itself) is one of them. Several discoveries were made based on the Kepler RR Lyrae data. They include some clues to solve the century-old riddle of the Blazhko effect, the amplitude and phase modulation shown by a large fraction of the RR Lyrae stars. I present the highlights of our findings on the Kepler RR Lyrae stars, with focus on the prototype that was observed by Kepler in short cadence for over 3 years.