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In the last few years, new instruments mounted at modern large telescopes, as well as satellite instruments, have given to us the possibility of obtaining observations of much higher quality than in the past. And yet, many long-standing problems related to the A-type stars are still unsolved. In this talk we will review some of the open questions of the A-type stars, and we will discuss how new observations obtained with modern and future instruments may be used to address them.
