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Abstract

We have obtained the first Spitzer Space telescope observations of short orbital period polars. Using the Infrared Array Camera (IRAC), observations have been made in four broadband filters centered at 3.6, 4.5, 5.8, and 8.0 microns of the polars V347 Pav, GG Leo, RX J0154, and EF Eri. Spectral energy distributions have been produced for all four stars and in each case indicate excess emission in the longest wavebands. We examine our observations with respect to these binaries containing late M or brown dwarf type secondaries. We discuss the implications of the observed long wavelength emission excess in terms of the presence of dust and/or other possible emission mechanisms. The impact of this finding on the evolution of polars is also presented.

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