

## Source Confusion and Detectability of Planets with TPF

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The existence of exo-zodiacal disks and the structures associated with them is an important source of confusion for TPF. This is especially true for clumps and arcs caused by resonant trapping due to the planets. These structures can be localized and temporally varying phenomena. Some of the questions addressed here are: - What is the flux contribution of these disk features that can limit the detectability of the TPF coronagraph and interferometer? - What is the probability of spurious detections? - If, there is source confusion due to structure, what information, if any, can be obtained about the embedded planet?

