## Dusty Disks in the Multiple Systems UZ Tau and GG Tau<sup>1</sup>

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## ABSTRACT

Interferometric observations of the 2.6 mm dust thermal emission around the T Tauri triple system UZ Tau show that most of it is equally divided between UZ Tau W (the close binary) and UZ Tau E. The emission is at least partially optically thick at 2.6 mm which implies an origin in disks of size  $\sim 13$  AU and mass  $\sim 0.024~M_{\odot}$ . The 2.6 mm emission of the GG Tau system, a hierarchical quadruple, is partially resolved. Strong emission extended over  $\sim 3'' \times 5''$  is associated with the close binary GG Tau. Weak emission is detected at GG Tau/c, also a close binary. Evidently extensive dusty disks can survive in the environment of close binaries for at least  $\sim 10^5$  y, and their structure can vary markedly from system to system.

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