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Instrumentation for extreme ultraviolet astronomy. January 1978. F. Paresce. Design considerations for instruments intended for EUV astronomy from space are discussed. The ability of an optical system to detect and measure the brightness of an object is examined, options available for mirror design in the EUV are summarized, and two telescope configurations selected for flight are noted.

Submillimeter and Far-Infrared Polarimetric Observations of Magnetic Fields in Star-Forming Regions. Kate Pattle 1* and Laura Fissel 2. Stellar and Solar Physics, a section of the journal. Frontiers in Astronomy and Space Sciences. Received: 02 October 2018 Accepted: 01 March 2019 Published: 05 April 2019. We summarize past, present and forthcoming single-dish instrumentation, and discuss techniques which have been developed or proposed to interpret polarization observations, both in order to infer the morphology and strength of the magnetic field, and in order to determine the environments in which dust polarization observations reliably trace the magnetic field.