

## The Dual Anamorphic Reflector Telescope (DART) Concepts: Recent Developments and Future Prospects

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The DART concept uses two crossed cylindrical mirrors, each formed from a stretched membrane. The concept provides the potential for ultra-light telescopes, with an areal density 10–100 times lower than that of conventional architectures which rely on massive backing structures. The DART testbed is a development project at JPL with the objective of modeling the membrane and experimentally verifying the predictions. A prototype DART telescope has been build with diffraction limited performance at 40 microns.

