

Optical Long Baseline Interferometry News

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LONG BASELINE STELLAR INTERFEROMETERS

Operational Ground-Based Interferometers

- [CHARA Array](#) - Center for High Angular Resolution Astronomy Array ([Mnt Wilson](#), *up to 400 m* California; [GSU](#)).
- [COAST](#) - Cambridge Optical Aperture Synthesis Telescope ([MRAO](#), UK). *up to 100 m*
- [FLUOR](#) - Fiber Linked Unit for Optical Recombination ([Obs. de Paris](#), France).
- [GI2T/REGAIN](#) - Grand Interféromètre à 2 Télescopes ([Obs. de Calern](#), France).
- [IOTA](#) - Infrared-Optical Telescope Array ([Whipple Obs.](#), Arizona). [Photo](#).
- [ISI](#) - Infrared Spatial Interferometer ([Mount Wilson Obs.](#), California).
- [NPOI](#) - Navy Prototype Optical Interferometer ([Lowell Obs.](#), Arizona). [Photos](#).
- [PTI](#) - Palomar Testbed Interferometer ([Mount Palomar](#), California).
- [SUSI](#) - Sydney University Stellar Interferometer ([Narrabri](#), Australia). *up to 690 m*

The following interferometers have ceased operations - the indicated dates are approximately the dates that the interferometers were operational: [20ft](#) (1920-1931), [50ft](#) (1931-1938), [Intensity Interferometer](#) (1964-1976), [I2T](#) (1974-1987), [Mark I](#) (1979), [Mark II](#) (1982-1984), [11.4m prototype](#) (1985-1988), [SOIR D'ETE](#) (1979-1993), [IRMA](#) (1990-1992), [Mark III](#) (1986-1993), [I2T/CHARON](#) (1993-1996), and [MIRA-I](#) (1998-1999).

A [Timeline of Stellar Interferometry](#) from 1955 to the present shows the development of these interferometers.

Ground-Based Interferometers Under Construction

- [Keck Interferometer](#) at the [Keck Observatory](#), ([Mauna Kea](#), Hawaii).
- [Large Binocular Telescope](#) ([Mnt Graham](#), Arizona). See [Live Webcam](#) of site construction.
- [MIRA-1.2](#) - Mitaka IR Array ([Optical and Infrared Astronomy Div.](#), [NAOJ](#), Japan). [Abstract](#).
- [VLTi](#) - the interferometer mode of the [VLT](#) project at the [European Southern Observatory](#) site ([Cerro Paranal](#), Chile). The [What's New](#) page at ESO contains news items and photographs of the VLT site. The [ESO Video](#) page also contains interesting news items. Instruments under development include [VINCI](#), [MIDI](#), [AMBER](#), and [PRIMA](#). Groups