

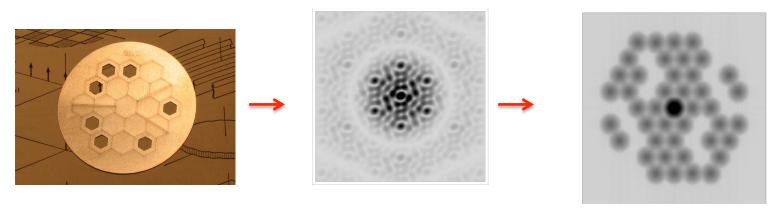
Fig. 1.—Schematic diagram of the four-element linear nulling interferometer. The fixed beam combining geometry is configured to give equal path lengths from all four telescopes. The inner and outer pairs are combined with beam splitters having equal transmitted and reflected intensities. The final combiner transmission is chosen to yield amplitudes in the ratio (inner pair/outer pair) = 0.504.

NRM is Interferometry

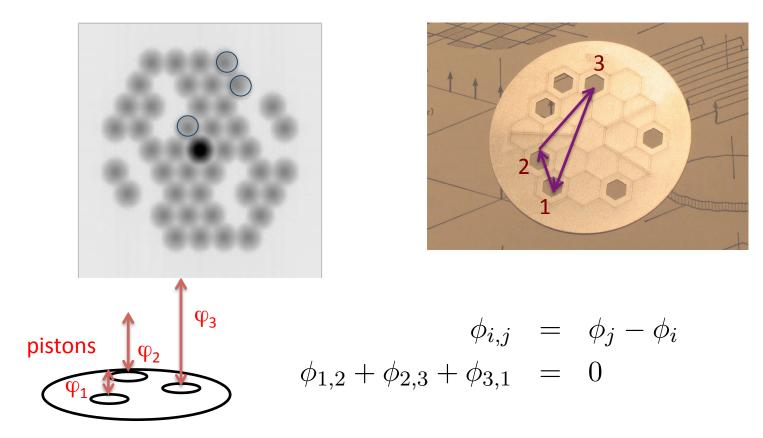
- Better resolution than traditional aperture
- Achieves high contrast at small inner-working angle

$$n ext{ holes}
ightarrow \frac{n(n-1)}{2} ext{baselines}$$

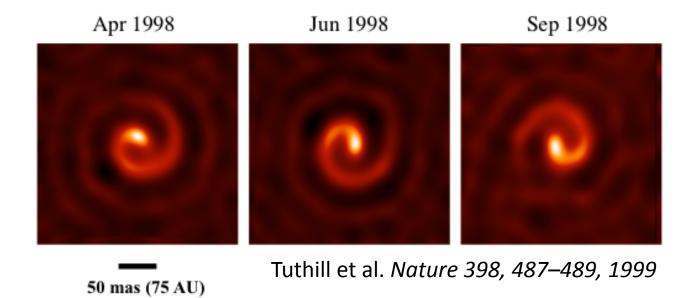
7 holes – 21 baselines

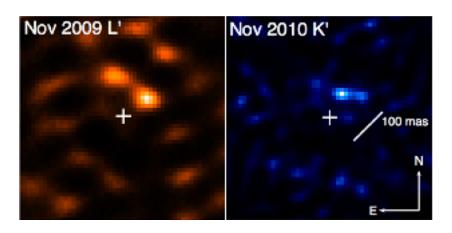


Closure Phase Measures Structure



Non-zero closure phases are a result of structure or measurement errors





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