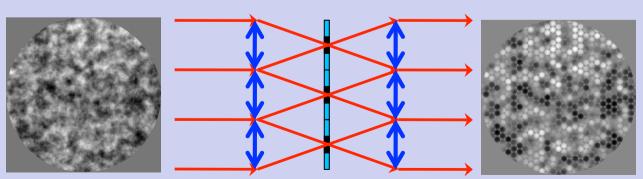
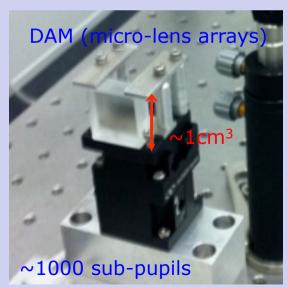
High contrast imaging techniques to characterize exoplanets

- Direct imaging of exoplanets
 - Direct detection and spectral characterization of faint planets close to the star
 - High sensitivity, high spectral resolution, high spatial resolution, high contrast
- High contrast imaging (Adaptive Optic, Coronography)
 - + Pupil remapping techniques
 - Phase Induced Amplitude Apodization, PIAA (Guyon 2003)
 Continuous redistribution of the light in the telescope pupil
-) PIAA
 - "Dense Aperture Mapping" or **DAM** (Patru 2011)
 Discrete redistribution of the light => Digitize the pupil
 by using interferometry & spatial filtering





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