

# Laboratory for Adaptive Optics

## Documents Archive

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### LAO Authors

- Brian Bauman, "[Optical design for extremely large telescope adaptive optics systems](#)", PhD thesis, U. Arizona.
- Don Gavel, "[Tomography for Multiconjugate Adaptive Optics Systems Using Laser Guide Stars](#)" SPIE 2004.
- Don Gavel, "[Polarization Quadrature Interferometer](#)," LAO Memo, June-August, 2004.
- Don Gavel, "[Open Loop Modeling of MEMS Deformable Mirrors](#)," LAO Memo, March, 2006
- Lisa Poyneer, Don Gavel, and Jim Brase, "[Fast wave-front reconstruction in large adaptive optics systems with use of the Fourier transform](#)" JOSA-A, Oct. 2002.
- Lisa Poyneer and Bruce Macintosh, "[Spatially filtered wave-front sensor for high-order adaptive optics](#)," JOSA-A, May, 2004.
- Zhenrong Wang, "[Characterization of Programmable Phase Modulator with Polarization Quadrature Interferometer](#)", master's thesis, UC Santa Cruz.

### Software

- From the CfAO Summer School Computer Lab (IDL routines) [ComputerLab.zip](#)
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### Non LAO Authors (outside links)

- Brent Ellerbroek, 2002 JOSA-A article
  - Per Knutsson, "[The Lund Dual-Conjugate Adaptive Optics Demonstrator](#)" Master of Science thesis, Luleaa University of Technology and Lund Observatory, March 2003
  - [CfAO MEMS workshop - Aug 2004](#)
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### Local Access Links

- [LAO internal documents, software, and data repository \(new system\)](#) (local access only)
  - [Software and data files \(old link\)](#) (local access only)
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