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Research Interests	High contrast observations of circumstellar dust and extrasolar planets; infrared astronomical instrumentation and techniques, wavefront control, technology development for large aperture space telescopes.	
Education	Ph. D. in Astronomy & Astrophysics. <i>A High Angular Resolution Survey of Circumstellar Dust around Herbig Ae/Be Stars</i> Advisor: James R. Graham	University of California, Berkeley September 2006
	A. B. in Physics and Astronomy. <i>magna cum laude</i>	Harvard University June 2000
Research Positions	Space Telescope Science Institute <i>Assistant Astronomer</i> Instruments Division, Telescopes Group OpTIIX Project Support & Operations Scientist	2010- 2011-
	University of California, Los Angeles <i>NSF Astronomy & Astrophysics Postdoctoral Fellow</i>	2007-2010
	University of California, Berkeley <i>Postdoctoral Researcher</i> <i>Graduate Student Researcher</i>	2006-2007 2002-2006
	Harvard University <i>Undergraduate Research Assistant,</i> Prof. Josh Grindlay <i>Undergraduate Research Assistant,</i> Prof. Isaac Silvera	June 1998-June 2000 Sept 1997-May 1998
Honors and Awards	NSF Astronomy & Astrophysics Postdoctoral Fellowship Mary Elizabeth Uhl Prize, for outstanding achievement in a graduate dissertation NASA Michelson Graduate Fellowship Phi Beta Kappa John Harvard Scholarship, for excellence in scholarship at Harvard University.	2007-2010 2006 2003-2006 2000 1997-2000
Teaching Experience	University of California, Los Angeles Lecturer for <i>Introduction to Astrophysics</i> Co-taught with Prof. Andrea Ghez and led curriculum redevelopment	Winter 2009, 2010
	University of California, Berkeley <i>Head Graduate Student Instructor,</i> Advanced Astronomy Lab, Prof. James Graham <i>Head Graduate Student Instructor,</i> Introduction to Astrophysics, Prof. Hy Spinrad <i>Graduate Student Instructor,</i> Introduction to General Astronomy, Prof. Gibor Basri <i>Graduate Student Instructor,</i> Introduction to General Astronomy, Don Goldsmith	Fall 2004 Fall 2001 Spring 2001 Fall 2000

**Grants
Awarded as PI**

NSF AST-0702933, Astronomy & Astrophysics Postdoctoral Fellowship “The Birthplace of Planets: High Contrast Imaging of Circumstellar Disks”, (2007-2010), \$214,000.

NASA HST GO-11155*, Hubble Space Telescope Cycle 16 program “Dust Grain Evolution in Herbig Ae Stars: NICMOS Coronagraphic Imaging and Polarimetry” (2007-2009), \$168,739.

NSF AST-0849137*, Special Programs in Astronomy “NSF Astronomy & Astrophysics Postdoctoral Fellows Annual Symposium 2009”, (2008-2009), \$16,482.

*: Per UCLA policy, grants awarded while a postdoc were processed with Prof. Andrea Ghez as administrative PI.

**Grants
Awarded as Co-I**

NASA HST GO 12016, Hubble Space Telescope Cycle 17 program “The Stars and Edge-on Disks of PDS 144: An Intermediate-Mass Analog of Wide T Tauri Multiple Stars”, (2010-2011), \$16,183.

NASA HST GO 12228, Hubble Space Telescope Cycle 18 program

**Selected
Invited Talks**

Cornell University	Astronomy Colloquium, October 2009
University of Rochester	Astronomy Colloquium, October 2009
NASA Goddard Space Flight Center	Exoplanets Seminar, September 2009
Space Telescope Science Institute	Star and Planet Formation Seminar, September 2009
Subaru Exoplanets and Disks Conference	Invited lecture, March 2009
Astronomical Polarimetry 2008	Invited lecture, August 2008
Center for Adaptive Optics 2007 Fall Retreat	Invited lecture, November 2007
2007 AAS Meeting	Special Session on Mid-Infrared Astronomy, January 2007
NASA Ames Research Center	SOFIA Colloquium, February 2006

**Professional
Memberships**

American Astronomical Society
AAS Division of Planetary Sciences
International Astronomical Union
Center for Adaptive Optics
American Association for the Advancement of Science

**Professional
Service**

Referee for the *Astrophysical Journal*, *ApJ Letters*, *Astronomy & Astrophysics*, and *Nature*
Scientific organizing committee for *Signposts of Exoplanets* conference 2011
HST Cycle 18 proposal review panel member 2010
Co-chair for the 2009 NSF Postdoctoral Fellows Symposium 2009
Local Organizing Committee for *The Spirit of Lyot 2007* conference in Berkeley, CA. 2007

**Telescope
Experience**

W. M. Keck Observatory: NIRC2, OSIRIS, LWS. NGS and LGS AO. Keck Interferometer
Gemini Observatory: ALTAIR, MICHELLE, GMOS, T-ReCS.
Lick Observatory Shane 3-m: IRCAL, PFCAM.
ESO Very Large Telescope: SINFONI.
Hubble Space Telescope: NICMOS, ACS.
Spitzer Space Telescope: IRAC, IRS, MIPS.
CARMA, VLA, Chandra.

Undergraduate Breann Sitarski, UCLA '10. June 2008-present. *2010 AAS meeting Chambliss prize winner*
Research Students Jose Salcido, UCLA '10. June-December 2008
Advised Rebecca Krall, Carnegie Mellon '11. UCLA REU, Summer 2009.

Refereed Publications

Hornbeck, J. B., C. A. Grady, **M. D. Perrin**, J. P. Wisniewski, B. M. Tofflemire, A. Brown, J. A. Holtzman, K. Arraki, K. Hamaguchi, B. Woodgate, R. Petre, B. Daly, N. A. Grogin, D. G. Bonfield, G. M. Williger, & J. T. Lauroesch. 2012. *ApJ* 744, 54. "[PDS 144: The First Confirmed Herbig Ae-Herbig Ae Wide Binary](#)"

Melis, C., G. Duchêne, L. Chomiuk, P. Palmer, **M. D. Perrin**, S. T. Maddison, F. Ménard, K. Stapelfeldt, C. Pinte, & G. Duvert. 2011. *ApJ* 739, L7. "[Microwave Observations of Edge-on Protoplanetary Disks: Program Overview and First Results](#)"

Burgasser, A. J., B. N. Sitarski, C. R. Gelino, S. E. Logsdon, & **M. D. Perrin**. 2011. *ApJ* 739, 49. "[The Hyperactive L Dwarf 2MASS J13153094-2649513: Continued Emission and a Brown Dwarf Companion](#)"

Kato, E., M. Fukagawa, **M. D. Perrin**, H. Shibai, Y. Itoh, & T. Ootsubo. 2011. *PASJ* 63, 849. "[Near- and Mid-Infrared Imaging Study of Young Stellar Objects around LkH \$\alpha\$ 234](#)"

Hinkley, S., J. D. Monnier, B. R. Oppenheimer, L. C. Roberts Jr., M. Ireland, N. Zimmerman, D. Brenner, I. R. Parry, F. Martinache, O. Lai, R. Soummer, A. Sivaramakrishnan, C. Beichman, L. Hillenbrand, M. Zhao, J. P. Lloyd, D. Bernat, G. Vasisht, J. R. Crepp, L. Pueyo, M. Shao, **M. D. Perrin**, D. L. King, A. Bouchez, J. E. Roberts, R. Dekany, & R. Burruss. 2011. *ApJ* 726, 104. "[Establishing \$\alpha\$ Oph as a Prototype Rotator: Improved Astrometric Orbit](#)"

Whelan, E. T., C. Dougados, **M. D. Perrin**, M. Bonnefoy, I. Bains, M. P. Redman, T. P. Ray, H. Bouy, M. Benisty, J. Bouvier, G. Chauvin, P. J. V. Garcia, K. Grankvin, & F. Malbet. 2010. *ApJ* 720, L119-L124. "[The 2008 Outburst in the Young Stellar System Z CMa: The First Detection of Twin Jets](#)"

Kastner, J. H., R. Montez Jr., D. Rodriguez, N. Grosso, B. Zuckerman, **M. D. Perrin**, T. Forveille, & J. R. Graham. 2010. *ApJ* 719, L65-L68. "[Chandra X-ray Detection of the Enigmatic Field Star BP Psc](#)"

Leconte, J., et al.. 2010. *ApJ* 716, 1551-1565. "[The Lyot Project Direct Imaging Survey of Substellar Companions: Statistical Analysis and Information from Nondetections](#)"

S. Hinkley, B. R. Oppenheimer, D. Brenner, N. Zimmerman, L. C. Roberts Jr., I. R. Parry, R. Soummer, A. Sivaramakrishnan, M. Simon, **M. D. Perrin**, D. L. King, J. P. Lloyd, A. Bouchez, J. E. Roberts, R. Dekany, C. Beichman, L. Hillenbrand, R. Burruss, M. Shao, and G. Vasisht. 2010. *ApJ* 712, 421-428. "[Discovery and Characterization of a Faint Stellar Companion to the A3V Star \$\zeta\$ Virginis](#)"

M. D. Perrin, G. Schneider, G. Duchene, C. Pinte, C.A. Grady, J. Wisniewski, D. C. Hines. 2009. *ApJL* 707, L132-136. "[The Case of AB Aurigae's Disk in Polarized Light: Is There Truly a Gap?](#)"

J. Pott, **M. D. Perrin**, E. Furlan, S. Metchev, A. M. Ghez, T. M. Herbst. 2010. *ApJ* 710, 265-278. "[Ruling out Stellar Companions and Resolving the Innermost Regions of Transitional Disks with the Keck Interferometer](#)"

S. Hinkley, B. R. Oppenheimer, R. Soummer, D. Brenner, J. R. Graham, **M. D. Perrin**, A. Sivaramakrishnan, J. P. Lloyd, L. C. Roberts, & J. Kuhn. 2009. *ApJ* 701, 804-810. "[Speckle Suppression Through Dual Imaging Polarimetry, and a Ground-based Image of the HR 4796A Circumstellar Disk](#)"

- J. D. Monnier, P. G. Tuthill, M. Ireland, R. Cohen, A. Tannirkulam, & **M. D. Perrin**. 2009. ApJ 700, 491-505. "Mid-Infrared Size Survey of Young Stellar Objects: Description of Keck Segment-Tilting Experiment and Basic Results"
- M. D. Perrin**, W. D. Vacca, & J. R. Graham. 2009. AJ 137 4468. "Evidence for an Edge-On Disk around the Young Star MWC 778 from Infrared Imaging and Polarimetry"
- C. Pinte, D. L. Padgett, F. Ménard, K. R. Stapelfeldt, G. Schneider, J. Olofsson, O. Panić, J. C. Augereau, G. Duchêne, J. Krist, K. Pontoppidan, **M. D. Perrin**, C. A. Grady, J. Kessler-Silacci, E. F. van Dishoeck, D. Lommen, M. Silverstone, D. C. Hines, S. Wolf, G. A. Blake, T. Henning, & B. Stecklum. 2008. A&A 489, 633-650. "Probing dust grain evolution in IM Lupi's circumstellar disc. Multi-wavelength observations and modelling of the dust disc"
- B. Zuckerman, C. Melis, I. Song, D. S. Meier, **M. D. Perrin**, B. Macintosh, C. Marois, A. J. Weinberger, J. H. Rhee, J. R. Graham, J. H. Kastner, P. Palmer, T. Forveille, E. E. Becklin, D. J. Wilner, T. S. Barman, G. W. Marcy, & M. S. Bessell. 2008. ApJ 683, 1085-1103. "Gas and Dust Associated with the Strange, Isolated Star BP Piscium"
- B. R. Oppenheimer, D. Brenner, S. Hinkley, N. Zimmerman, A. Sivaramakrishnan, R. Soummer, J. Kuhn, J. R. Graham, **M. D. Perrin**, J. P. Lloyd, L. C. Roberts Jr., & D. M. Harrington. 2008. ApJ 679, 1574-1581. "The Solar-System-Scale Disk around AB Aurigae"
- M. D. Perrin**, J. R. Graham, & J. P. Lloyd. 2008. Publications of the Astronomical Society of the Pacific 120, 555-570. "The IRCAL Polarimeter: Design, Calibration, and Data Reduction for an Adaptive Optics Imaging Polarimeter"
- B. C. Matthews, J. R. Graham, **M. D. Perrin**, & P. Kalas. 2007. ApJ 671, 483-496. "The Molecular Gas Environment around Two Herbig Ae/Be Stars: Resolving the Outflows of LkH α 198 and LkH α 225S"
- M. D. Perrin** and J. R. Graham. 2007. ApJ 670, 499-508. "LGS AO Integral Field Spectroscopy of a Narrowly Collimated Bipolar Jet from the Herbig Ae star LkH α 233"
- S. Hinkley, B. R. Oppenheimer, R. Soummer, A. Sivaramakrishnan, L. C. Roberts Jr., J. Kuhn, R. B. Makidon, **M. D. Perrin**, J. P. Lloyd, K. Kratter, and D. Brenner. 2006. ApJ 654 633. "Temporal Evolution of Coronagraphic Dynamic Range, and Constraints on Companions to Vega"
- A. P. Digby, S. Hinkley, B. R. Oppenheimer, A. Sivaramakrishnan, J. P. Lloyd, **M. D. Perrin**, L. C. Roberts Jr., R. Soummer, D. Brenner, R. B. Makidon, M. Shara, J. Kuhn, J. Graham, P. Kalas, & L. Newburgh. 2006. ApJ 650, 484-496. "The Challenges of Coronagraphic Astrometry"
- M. D. Perrin**, G. Duchene, P. Kalas, & J. R. Graham. 2006, Astrophysical Journal 645, 1272. "Discovery of an Optically Thick, Edge-on Disk around the Herbig Ae Star PDS 144N"
- L. C. Roberts, N. H. Turner, L. W. Bradford, T. A. ten Brummelaar, B. R. Oppenheimer, J. R. Kuhn, K. Whitman, **M. D. Perrin**, & J. R. Graham. 2005. Astronomical Journal 130, 2262-2271. "Adaptive Optics Photometry and Astrometry of Binary Stars"
- R. B. Makidon, A. Sivaramakrishnan, **M. D. Perrin**, L. C. Roberts Jr., B. R. Oppenheimer, R. Soummer, & J. R. Graham. 2005. Publications of the Astronomical Society of the Pacific 117, 831-846. "An Analysis of Fundamental Waffle Mode in Early AEOS Adaptive Optics Images"

**Conference
Proceedings
and Other
Publications**

M. D. Perrin, J. R. Graham, P. Kalas, J. P. Lloyd, C. E. Max, D. T. Gavel, D. M. Pennington, E. L. Gates 2004. *Science* 303, 1345-1348. "[Laser Guide Star Adaptive Optics Imaging Polarimetry of Herbig Ae/Be Stars.](#)"

M. D. Perrin, A. Sivaramakrishnan, R. B. Makidon, B. R. Oppenheimer, J. R. Graham, 2003. *Astrophysical Journal* 596, 702-712. "[The Structure of High Strehl Ratio Point-Spread Functions](#)"

Perrin, M. D., J. R. Graham, J. E. Larkin, S. Wiktorowicz, J. Maire, S. Thibault, M. P. Fitzgerald, R. Doyon, B. A. Macintosh, D. T. Gavel, B. R. Oppenheimer, D. W. Palmer, L. Saddlemyer, & J. K. Wallace. 2010. *Proc. SPIE* 7736, . "[Imaging polarimetry with the Gemini Planet Imager](#)"

Maire, J., **M. D. Perrin**, R. Doyon, E. Artigau, J. Dunn, D. T. Gavel, J. R. Graham, D. Lafrenière, J. E. Larkin, J.-F. Lavigne, B. A. Macintosh, C. Marois, B. Oppenheimer, D. W. Palmer, L. A. Poyneer, S. Thibault. 2010. *Proc. SPIE* 7735, . "[Data reduction pipeline for the Gemini Planet Imager](#)"

M. D. Perrin, G. Duchene, J. R. Graham, D. Hines, H. L. Maness, F. Menard, C. Pinte, & G. Schneider. 2009 Proceedings of the Second Subaru International Conference. "[Investigating Circumstellar Disk Geometry and Dust Properties with Coronagraphic Polarimetry](#)"

L. R. Roberts Jr., L. Bradford, T. Ten Brummelaar, N. Turner, M. Skinner, E. Therkildsen, B. Oppenheimer, A. Digby, & **M. Perrin**. 2006. The Advanced Maui Optical and Space Surveillance Technologies Conference. "[The Effects of Scintillation on Non-Redundant Aperture Masking Interferometry](#)"

M. D. Perrin, J. R. Graham, P. Kalas, J. P. Lloyd, C. E. Max, D. T. Gavel, D. M. Pennington, & E. L. Gates. 2005. *Astronomical Society of the Pacific Conference Series* 343, 379. "[Adaptive Optics Polarimetry of Herbig Ae/Be Stars](#)"

A. Sivaramakrishnan, R. B. Makidon, R. Soummer, B. A. Macintosh, M. Troy, G. A. Chanan, J. P. Lloyd, **M. D. Perrin**, J. R. Graham, L. Poyneer, & A. I. Sheinis. 2004. *Proc. SPIE* 5490, 535-544. "[Coronagraph design for an extreme adaptive optics system with spatially filtered wavefront sensing on segmented telescopes](#)"

L. C. Roberts, Jr., **M. D. Perrin**, F. Marchis, A. Sivaramakrishnan, R. B. Makidon, J. C. Christou, B. A. Macintosh, L. A. Poyneer, M. A. van Dam, & M. Troy. 2004. *Proc. SPIE* 5490, 504-515. "[Is that really your Strehl ratio?](#)"

B. R. Oppenheimer, A. P. Digby, L. Newburgh, D. Brenner, M. Shara, J. Mey, C. Mandeville, R. B. Makidon, A. Sivaramakrishnan, R. Soummer, J. R. Graham, P. Kalas, **M. D. Perrin**, L. C. Roberts Jr., J. R. Kuhn, K. Whitman, & J. P. Lloyd. 2004. *Proc. SPIE* 5490, 433-442. "[The Lyot project: toward exoplanet imaging and spectroscopy](#)"

B. A. Macintosh, B. Bauman, J. Wilhelmsen Evans, J. R. Graham, C. Lockwood, L. Poyneer, D. Dillon, D. T. Gavel, J. J. Green, J. P. Lloyd, R. B. Makidon, S. Olivier, D. Palmer, **M. D. Perrin**, S. Sevrerson, A. I. Sheinis, A. Sivaramakrishnan, G. Sommargren, R. Soummer, M. Troy, J. K. Wallace, & E. Wishnow. 2004. *Proc. SPIE* 5490, 359-369. "[eXtreme Adaptive Optics Planet Imager: overview and status](#)"

M. D. Perrin, J. R. Graham, P. Kalas, J. P. Lloyd, C. E. Max, D. T. Gavel, D. M. Pennington, & E. L. Gates. 2004. *Proc. SPIE* 5490, 309-320. "[Laser guide star adaptive optics imaging polarimetry of Herbig Ae/Be stars](#)"

B. A. Macintosh, J. Graham, L. Poyneer, G. Sommargren, J. Wilhelmsen, D. Gavel, S. Jones, P. Kalas, J. P. Lloyd, R. Makidon, S. Olivier, D. Palmer, J. Patience, **M. D. Perrin**, S. Sevrerson, A. Sheinis, A. Sivaramakrishnan, M. Troy, & J. K. Wallace. 2003. Proc. SPIE 5170, 272-282. ["Extreme adaptive optics planet imager: XAOPI"](#)

J. P. Lloyd, B. R. Oppenheimer, A. P. Digby, L. Newburgh, D. Brenner, M. Shara, J. R. Graham, P. Kalas, **M. D. Perrin**, A. Sivaramakrishnan, R. Makidon, J. Kuhn, K. Whitman, & L. C. Roberts Jr.. 2003. ESA SP-539: Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets 513-518. ["The Lyot project: toward exoplanet images and spectroscopy"](#)

A. Sivaramakrishnan, P. E. Hodge, R. B. Makidon, **M. D. Perrin**, J. P. Lloyd, E. E. Bloemhof, & B. R. Oppenheimer. 2003. Proc. SPIE 4860, 161-170. ["The adaptive optics point-spread function at moderate and high Strehl ratios"](#)

M. D. Perrin, J. R. Graham, M. Trumpis, J. Kuhn, K. Whitman, R. Coulter, J. P. Lloyd, and L. C. Roberts, Jr. 2003. Proceedings of the Air Force AMOS Technical Conference. ["First light with the Kermit Infrared Camera"](#)

P. F. Blosler, T. Narita, J. A. Jenkins, **M. D. Perrin**, R. Murray, & J. E. Grindlay. 2002. Proc. SPIE 4497, 88-99. ["Balloon flight background measurement with actively-shielded planar and imaging CZT detectors"](#)

T. Narita, J. E. Grindlay, J. A. Jenkins, **M. D. Perrin**, D. Marrone, R. Murray, & B. Connell. 2002. Proc. SPIE 4497, 79-87. ["Design and preliminary tests of a prototype CZT imaging array"](#)

Conference Presentations

M. D. Perrin & A. M. Ghez. 2009. AAS Meeting Abstracts 214, #401.03. ["Beyond Astro 101: A First Report on Applying Interactive Education Techniques to an Astrophysics Class for Majors"](#)

C. A. Grady, M. Harding, D. Bonfield, G. Hilton, B. Woodgate, **M. Perrin**, C. Melis, K. Peek, O. Smarr, J. Wisniewski, G. Schneider, D. Hines, K. Stapelfeldt, & D. Padgett. 2009. Bulletin of the AAS 41, 224. ["Three's A Crowd: The Jets, Envelopes, And Environment Of PDS 144"](#)

W. D. Vacca, G. H. Herbig, **M. D. Perrin**, & J. R. Graham. 2009. Bulletin of the AAS 41, 224. ["A Multiwavelength Study of the Young Stellar Object MWC 778"](#)

M. D. Perrin, G. Schneider, D. C. Hines, J. P. Wisniewski, C. A. Grady, & HST GO-11155 Team. 2009. Bulletin of the AAS 41, 208. ["Coronagraphic Polarimetry of Circumstellar Disks Around Herbig Ae/Be Stars: Investigating Disk Properties and Dust Grain Growth with HST NICMOS"](#)

D. R. Rodriguez, **M. D. Perrin**, & B. Macintosh. 2009. Bulletin of the AAS 41, 208. ["HST NICMOS and WFPC2 Imaging of BP Piscium"](#)

M. D. Perrin, J. R. Graham, & B. A. Macintosh. 2007. Bulletin of the AAS 38, 1006. ["Diffraction-Limited Infrared Imaging Spectroscopy of Outflows from Young Stars"](#)

J. Leconte, R. Soummer, B. R. Oppenheimer, S. Hinkley, D. Brenner, A. Sivaramakrishnan, J. Kuhn, **M. D. Perrin**, L. C. Roberts Jr., M. Simon, R. A. Brown, G. Chabrier, & I. Baraffe. 2007. In the Spirit of Bernard Lyot: The Direct Detection of Planets and Circumstellar Disks in the 21st Century . ["The Lyot Project: Survey Analysis"](#)

A. Sivaramakrishnan, Oppenheimer, B. R., R. Soummer, S. Hinkley, D. Brenner, J. Leconte, L. C. Roberts, **M. D. Perrin**, J. P. Lloyd, R. B. Makidon, & J. R. Kuhn. 2007. In the Spirit of

Bernard Lyot: The Direct Detection of Planets and Circumstellar Disks in the 21st Century . “The Lyot Project: Status and Results”

M. D. Perrin, & J. R. Graham. 2006. Bulletin of the AAS 38, 1224. “Mid-IR Observations of Herbig Ae and Be Stars”

A. Sivaramakrishnan, B. R. Oppenheimer, **M. D. Perrin**, L. C. Roberts, R. B. Makidon, R. Soummer, A. P. Digby, L. W. Bradford, M. A. Skinner, N. H. Turner, & T. A. Ten Brummelaar. 2006. IAU Colloq. 200: Direct Imaging of Exoplanets: Science & Techniques 613-616. “Scintillation and pupil illumination in AO coronagraphy”

R. B. Makidon, A. Sivaramakrishnan, R. Soummer, B. R. Oppenheimer, L. C. Roberts, J. R. Graham, & **M. D. Perrin**. 2006. IAU Colloq. 200: Direct Imaging of Exoplanets: Science & Techniques 603-606. “The Lyot Project: Understanding the AEOS Adaptive Optics PSF”

J. R. Graham, **M. D. Perrin**, & C. E. Max. 2005. Bulletin of the AAS 37, 1293. “Infrared Imaging and Polarimetry of the Crab Nebula and Pulsar using Laser Guide Star Adaptive Optics”

M. D. Perrin, J. R. Graham, & P. Kalas. 2005. Bulletin of the AAS 37, 1293. “LGS Polarimetry and Integral Field Spectroscopy of Herbig Ae/Be Stars”

M. D. Perrin. 2005. Protostars and Planets V 8616. “An Adaptive Optics Imaging Polarimetry Survey of Herbig Ae/Be Stars”

B. C. Matthews, J. R. Graham, P. G. Kalas, & **M. D. Perrin**. 2005. Protostars and Planets V 8562. “Extended CO Emission in the Environs of the H_AeBe Stars LkHa 198 and LkHa 225S”

M. D. Perrin, J. R. Graham, P. Kalas, & M. Fitzgerald. 2004. Bulletin of the AAS 36, 1553. “A Unique Edge-on Circumstellar Disk around a Herbig Ae Star”

B. R. Oppenheimer, A. P. Digby, M. Shara, D. Brenner, L. Newburgh, R. B. Makidon, A. Sivaramakrishnan, R. Soummer, J. R. Graham, P. Kalas, **M. D. Perrin**, J. R. Kuhn, K. Whitman, & J. P. Lloyd. 2003. Bulletin of the AAS 36, 583. “The Lyot Project: Toward Exoplanet and Circumstellar Disk Imaging and Spectroscopy”

M. D. Perrin, D. T. Gavel, E. L. Gates, J. R. Graham, P. Kalas, J. D. Larwood, J. P. Lloyd, C. E. Max, & D. M. Pennington. 2003. Bulletin of the AAS 35, 1367. “Laser Guide Star Adaptive Optics Polarimetry of Three Herbig Ae/Be Stars”

B. A. Macintosh, J. R. Graham, G. Duchene, S. Jones, P. Kalas, J. Lloyd, R. B. Makidon, S. Olivier, D. Palmer, **M. D. Perrin**, L. Poyneer, A. Sheinis, A. Sivaramakrishnan, S. Sevenson, G. Sommagren, M. Troy, & J. K. Wallace. 2003. Bulletin of the AAS 35, 922. “Direct detection of extrasolar planets with the eXtreme Adaptive Optics Planet Imager”

J. R. Graham, B. Macintosh, A. Ghez, P. Kalas, J. Lloyd, R. Makidon, S. Olivier, J. Patience, **M. D. Perrin**, L. Poyneer, S. Sevenson, A. Sheinis, A. Sivaramakrishnan, M. Troy, J. Wallace, & J. Wilhelmsen. 2002. Bulletin of the AAS 34, 1138. “Experimental design for the eXtreme Adaptive Optics Planet Imager (XAOPi)”

B. Macintosh, J. R. Graham, A. Ghez, P. Kalas, J. Lloyd, R. Makidon, S. Olivier, J. Patience, **M. D. Perrin**, L. Poyneer, S. Sevenson, A. Sheinis, A. Sivaramakrishnan, M. Troy, J. Wallace, & J. Wilhelmsen. 2002. Bulletin of the AAS 34, 1137. “Extreme Adaptive Optics Planet Imager”

M. D. Perrin, J. P. Lloyd, P. Kalas, & J. R. Graham. 2002. Bulletin of the AAS 34, 1129. [“Design and Calibration of a Near IR Adaptive Optics Imaging Polarimeter for Lick Observatory”](#)