

Bibliography from ADS file: roddier.bib
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- Roddiier, F.: 2004, *Adaptive Optics in Astronomy* 2004aoa..book.....R ADS
- Beuzit, J. L., Ségransan, D., Forveille, T., et al., “New neighbours. III. 21 new companions to nearby dwarfs, discovered with adaptive optics”, 2004A&A...425..997B ADS
- Fusco, T., Mugnier, L. M., Conan, J.-M., et al., “Deconvolution of astronomical images obtained from ground-based telescopes with adaptive optics”, 2003SPIE.4839.1065F ADS
- Guyon, O. & Roddiier, F., “A nulling wide field imager for exoplanets detection and general astrophysics”, 2002A&A...391..379G ADS
- Molodij, G., Roddiier, F., Kupke, R., & Mickey, D. L., “Curvature Wavefront Sensor For Solar Adaptive Optics”, 2002SoPh...206..189M ADS
- Roddiier, F., “Atmospheric limitations to adaptive image compensation (Invited Speaker)”, 2002ASPC...266..546R ADS
- Kuhn, J. R., Moretto, G., Racine, R., Roddiier, F., & Coulter, R., “Concepts for a Large-Aperture, High Dynamic Range Telescope”, 2001PASP...113.1486K ADS
- Guyon, O. & Roddiier, F., “Aperture Rotation Synthesis: Optimization of the (u, v)-Plane Coverage for a Rotating Phased Array of Telescopes”, 2001PASP...113...98G ADS
- Charnoz, S., Brahic, A., Ferrari, C., et al., “Detection of arcs in Saturn’s F ring during the 1995 Sun ring-plane crossing”, 2001A&A...365..214C ADS
- Guyon, O., Sanders, D., Roddiier, C., et al., “QSO hosts imaging capabilities of Hokupa’a on the Gemini North telescope”, 2000AAS...197.5209G ADS
- Baudoz, P., Roddiier, F., Roddiier, C., et al., “Substellar mass companion search with adaptive optics at University of Hawaii”, 2000AAS...197.5208B ADS
- Roddiier, F., “Instrumentation: Adaptive Optics”, in P. Murdin (Ed.), *Encyclopedia of Astronomy and Astrophysics*, 2913 2000eaa...bookE2913R ADS
- Roddiier, F., Roddiier, C., Graves, J. E., Northcott, M. J., & Owen, T., “Erratum: Neptune’s Cloud Structure and Activity: Ground-based Monitoring with Adaptive Optics, Volume 136, Number 1, pp.168-172 (1998)”, 2000Icar...148..320R ADS
- Potter, D. E., Close, L. M., Roddiier, F., et al., “A High-Resolution Polarimetry Map of the Circumbinary Disk around UY Aurigae”, 2000ApJ...540..422P ADS
- Conan, J.-M., Fusco, T., Mugnier, L. M., et al., “Deconvolution of adaptive optics images: from theory to practice”, 2000SPIE.4007...913C ADS
- Close, L. M., Merline, W. J., Dumas, C., et al., “Search for asteroidal satellites using adaptive optics”, 2000SPIE.4007...796C ADS
- Close, L. M., Merline, W. J., Tholen, D. J., et al., “Adaptive optics imaging of Pluto-Charon and the discovery of a moon around the Asteroid 45 Eugenia: the potential of adaptive optics in planetary astronomy”, 2000SPIE.4007...787C ADS
- Northcott, M. J., Graves, J. E., Roddiier, F. J., & Rigaut, F. J., “Design and performance of an 85-actuator curvature system”, 2000SPIE.4007...126N ADS
- Graves, J. E., Northcott, M. J., Roddiier, F. J., et al., “First light for Hokupa’a 36 on Gemini North”, 2000SPIE.4007...26G ADS
- Ridgway, S. T. & Roddiier, F. J., “Infrared very large array for the 21st century”, 2000SPIE.4006...940R ADS
- Guyon, O. & Roddiier, F. J., “Direct exoplanet imaging possibilities of the nulling stellar coronagraph”, 2000SPIE.4006...377G ADS
- Joseph, R. D., Kuhn, J. R., Tokunaga, A. T., et al., “NPT: a large-aperture telescope for high dynamic range astronomy”, 2000SPIE.4005...333J ADS
- Roddiier, F. & Thompson, L., “Adaptive Optics in Astronomy”, 2000PhT...53d..69R ADS
- Roddiier, F., Roddiier, C., Brahic, A., et al., “Adaptive Optics Observations of Saturn’s Ring Plane Crossing in August 1995”, 2000Icar...143..299R ADS
- Roddiier, F., Roddiier, C., Brandner, W., et al., “Five-Years of Adaptive Optics Observations of T Tau South”, 2000IAUS...200P..60R ADS
- Guyon, O. & Roddiier, F., “Nulling Stellar Coronagraphic Imaging Using Space Interferometric Arrays”, 2000ESASP.451...41G ADS
- Roddiier, F.: 1999, “High Angular Resolution Observations of Protoplanetary Disks with Adaptive Optics”, Technical Report, Rept-6-54638 Inst. for Astronomy 1999STIN...0004764R ADS
- Joseph, R. D., Kuhn, J. R., Tokunaga, A., et al., “A New Planetary Telescope Concept”, 1999DPS...31.5943J ADS
- Close, L. M., Merline, W. J., Tholen, D., et al., “Adaptive Optics Imaging of Pluto-Charon and the Discovery of a Moon around the Asteroid 45 Eugenia: The Potential of Adaptive Optics in Planetary Astronomy”, 1999DPS...31.5910C ADS
- Potter, D. E., Tokunaga, A. T., Close, L. M., et al., “An Adaptive Optics search for Low Mass Companions in the Ursa Major Stream”, 1999AAS...19510905P ADS
- Ridgway, S. T. & Roddiier, F., “The Next-Generation Optical/IR Array”, 1999AAS...195.2305R ADS
- Brandner, W., Close, L., Graves, B., et al., “Adaptive Optics Imaging and Spectroscopy of MWC 1080”, 1999AAS...195.0212B ADS
- Guyon, O., Roddiier, C., Graves, J. E., et al., “The Nulling Stellar Coronagraph: Laboratory Tests and Performance Evaluation”, 1999PASP...111.1321G ADS
- Merline, W. J., Close, L. M., Dumas, C., et al., “Discovery of a moon orbiting the asteroid 45 Eugenia”, 1999Natur.401..565M ADS
- Merline, W. J., Close, L. M., Dumas, C., et al., “Discovery of Asteroidal Satellite S/1998 (45) I”, 1999DPS...31.2006M ADS
- Merline, W. J., Close, L. M., Dumas, C., et al., “Discovery of asteroidal satellite S/1998 (45) I.”, 1999BAAS...31.1106M ADS
- Roddiier, F. & Ridgway, S. T., “Filling Factor and Signal-to-Noise Ratios in Optical Interferometric Arrays”, 1999PASP...111..990R ADS
- Sicardy, B., Roddiier, F., Roddiier, C., et al., “Images of Neptune’s ring arcs obtained by a ground-based telescope”, 1999Natur.400..731S ADS
- Merline, W. J., Close, L. M., Dumas, C., et al., “S/1998 (45) I”, 1999IAUC.7129...1M ADS
- Roddiier, C., Roddiier, F., Graves, J. E., et al., “Rings of Neptune”, 1999IAUC.7108...3R ADS
- Roddiier, F., “Future expectations”, in F. Roddiier (Ed.), *Adaptive Optics in Astronomy*, 399 1999aoa...book..399R ADS
- Roddiier, F. & Rigaut, F., “The UH-CFHT systems”, in F. Roddiier (Ed.), *Adaptive Optics in Astronomy*, 205 1999aoa...book..205R ADS
- Roddiier, F., “Theoretical aspects”, in F. Roddiier (Ed.), *Adaptive Optics in Astronomy*, 25 1999aoa...book...25R ADS
- Roddiier, F., “Imaging through the atmosphere”, in F. Roddiier (Ed.), *Adaptive Optics in Astronomy*, 9 1999aoa...book...9R ADS
- Roddiier, F., “Historical context”, in F. Roddiier (Ed.), *Adaptive Optics in Astronomy*, 3 1999aoa...book...3R ADS
- Roddiier, F.: 1999d, *Adaptive optics in astronomy* 1999aoa...book.....R ADS
- Roddiier, F. & Owen, T.: 1999, *Adaptive Optics Imaging of Solar System Objects*, Technical Report, Hawaii Univ. Honolulu, HI United States Inst. for Astronomy 1999STIN...0025316R ADS
- Guyon, O., Roddiier, C., Elon Graves, J., et al., “The Nulling Coronagraph”, 1999ESOC...56..537G ADS
- Roddiier, F., Roddiier, C., Close, L., et al., “Planetary Science with Adaptive Optics: Results from the UH AO Systems”, 1999ESOC...56..401R ADS
- Roddiier, C., Roddiier, F., Graves, J. E., et al., “Four-Year Observations of T Tauri With Adaptive Optics”, 1999ESOC...56..389R ADS
- Potter, D. E., Close, L. M., Roddiier, F., et al., “Adaptive Optics J Band Imaging Polarimetry Observations of the Circumbinary Disk Around UY Aurigae”, 1999ESOC...56..353P ADS
- Close, L. M., Roddiier, F., Potter, D., et al., “Astronomy with Adaptive Optics: Experiences from the University of Hawaii AO Program”, 1999ESOC...56..109C ADS
- Roddiier, F., “Ground-Based Interferometry with Adaptive Optics”, 1999ASPC...194..318R ADS
- Guyon, O. & Roddiier, F., “The nulling coronagraph applied to interferometric arrays”, 1999ASPC...194..201G ADS
- Roddiier, F., Roddiier, C., Graves, J. E., Northcott, M. J., & Owen, T., “NOTE: Neptune’s Cloud Structure and Activity: Ground-Based Monitoring with Adaptive Optics”, 1998Icar...136..168R ADS
- Roddiier, C., Roddiier, F., Graves, J. E., & Northcott, M. J., “Discovery of an Arc of Particles near Enceladus’ Orbit: A Possible Key to the Origin of the E Ring”, 1998Icar...136...50R ADS
- Roddiier, C., Roddiier, F., Graves, J. E., et al., “Satellites and Rings of Neptune”, 1998IAUC.7051...1R ADS
- Kupke, R., Roddiier, F. J., & Mickey, D. L., “Wavefront curvature sensing on extended arbitrary scenes: simulation results”, 1998SPIE.3353...918K ADS
- Cuevas, S., Sotelo, P. D., Garfias, F., et al., “University of Mexico adaptive optics program”, 1998SPIE.3353...531C ADS
- Close, L. M., Roddiier, F. J., Roddiier, C. A., et al., “Scientific results from the University of Hawaii: adaptive problems well suited to AO techniques”, 1998SPIE.3353...406C ADS
- Graves, J. E., Northcott, M. J., Roddiier, F. J., Roddiier, C. A., & Close, L. M., “First light for Hokupa’a: 36-element curvature AO system at UH”, 1998SPIE.3353...34G ADS
- Roddiier, C., Roddiier, F., Graves, J. E., Guyon, O., & Northcott, M. J., “Satellites of Neptune”, 1998IAUC.6987...2R ADS
- Roddiier, F., “Maximum Gain and Efficiency of Adaptive Optics Systems”, 1998PASP...110..837R ADS

- Close, L. M., Dutrey, A., Roddier, F., et al., "Adaptive Optics Imaging of the Circumbinary Disk around the T Tauri Binary UY Aurigae: Estimates of the Binary Mass and Circumbinary Dust Grain Size Distribution", 1998ApJ...499..883C ADS
- Dumas, C., Close, L., Graves, B., et al., "Adaptive Optics Provides a Sharp Image of Io's Volcanoes", 1998BCFHT...38...26D ADS
- Potter, D. E., Close, L., & Roddier, F., "A Model of Scattering from Dust in Proto-planetary Disks applied to O.1" resolution U. of Hawaii Adaptive Optics Images of the Disk around Young Stars", 1997AAS...191.0503P ADS
- Close, L. M., Roddier, F., Hora, J. L., et al., "Adaptive Optics Infrared Imaging Polarimetry and Optical HST Imaging of Hubble's Variable Nebula (R Monocerotis/NGC 2261): A Close Look at a Very Young Active Herbig Ae/Be Star", 1997ApJ...489..210C ADS
- Roddier, F., Roddier, C., Brahic, A., et al., "First ground-based adaptive optics observations of Neptune and Proteus", 1997P&SS...45.1031R ADS
- Roddier, F. & Roddier, C., "Stellar Coronagraph with Phase Mask", 1997PASP...109..815R ADS
- Roddier, C., Roddier, F., Graves, J. E., & Northcott, M. J., "Saturn", 1997IAUC.6697...1R ADS
- Roddier, F., Brahic, A., Dumas, C., et al., "Adaptive optics observations of solar system objects", 1997DPS...29.2701R ADS
- Ferrari, C., Brahic, A., Charnoz, S., Thebault, P., & Roddier, F., "Azimuthal distribution of arcs and clumps in the F ring of Saturn during August 1995 ring plane crossing.", 1997DPS...29.1703F ADS
- Roddier, F., "Environment of young stars: from adaptive optics to telescope arrays.", 1997CRASB.325...35R ADS
- Close, L. M., Roddier, F., J. Northcott, M., Roddier, C., & Elon Graves, J., "Adaptive Optics 0.2" Resolution Infrared Images of HL Tauri: Direct Images of an Active Accretion Disk around a Protostar", 1997ApJ...478..766C ADS
- Baron, R. L., Joseph, R., Tokunaga, A., et al., "Improved Imaging Performance of the NASA IRTF Telescope", 1997AAS...18912101B ADS
- Roddier, C., Roddier, F., Brahic, A., et al., "Satellites of Saturn", 1996IAUC.6515...1R ADS
- Roddier, C., Roddier, F., Northcott, M. J., & Graves, J. E., "First infrared images of the GG Tau ring", 1996BCFHT...35...9R ADS
- Roddier, F., Brahic, A., Dumas, C., et al., "Satellites of Saturn", 1996IAUC.6407...1R ADS
- Roddier, C., Roddier, F., Northcott, M. J., Graves, J. E., & Jim, K., "Adaptive Optics Imaging of GG Tauri: Optical Detection of the Circumbinary Ring", 1996ApJ...463..326R ADS
- Brahic, A., Dumas, C., Ferrari, C., et al., "Saturn' Rings Edge-on Observations at 0.1 Arcsecond Resolution With Adaptive Optics", 1995DPS...27.2709B ADS
- Han, B., Owen, T., Brahic, A., et al., "Ground-based Near-Infrared Adaptive-Optics Imaging of the Surface of Titan", 1995DPS...27.1802H ADS
- O'Connor, D. J., Anuskiewicz, J., Brahic, A., et al., "Near-Infrared Observations of Pluto and Charon Using Adaptive Optics Imaging", 1995DPS...27.16110 ADS
- Roddier, F., Roddier, C., Graves, J. E., & Northcott, M. J., "Adaptive Optics Imaging of Proto-Planetary Nebulae: Frosty Leo and the Red Rectangle", 1995ApJ...443..249R ADS
- Roddier, F., Anuskiewicz, J., Graves, J. E., et al., "First astronomical observations with the University-of-Hawaii experimental adaptive optics system.", 1995seft.conf...313R ADS
- Roddier, F., "Error propagation in a closed-loop adaptive optics system: a comparison between Shack-Hartmann and curvature wave-front sensors.", 1995OptCo.113..357R ADS
- Roddier, C. & Roddier, F., "Application of interferometry and adaptive optics to the detection of extra-solar planets: a computer simulation.", 1995Ap&SS.223..183R ADS
- Roddier, F., "Prospects for Imaging Interferometry", 1995Ap&SS.223..109R ADS
- Roddier, C. A., Graves, J. E., Northcott, M. J., & Roddier, F. J., "Testing optical telescopes from defocused stellar images", 1994SPIE.2199.1172R ADS
- Kupke, R., Roddier, F. J., & Mickey, D., "Curvature-based wavefront sensor for use on extended patterns", 1994SPIE.2201..519K ADS
- Graves, J. E., Roddier, F. J., Northcott, M. J., Anuskiewicz, J., & Monnet, G., "Adaptive optics at the University of Hawaii IV: a photon-counting curvature wavefront sensor", 1994SPIE.2201..502G ADS
- Roddier, F. J., Anuskiewicz, J., Graves, J. E., Northcott, M. J., & Roddier, C. A., "Adaptive optics at the University of Hawaii I: current performance at the telescope", 1994SPIE.2201...2R ADS
- Roddier, F., Anuskiewicz, J., Graves, J. E., et al., "First Astronomical Observations with the University-of-Hawaii Experimental adaptive optics system", 1994awca.conf...23R ADS
- Roddier, F., "Adaptive optics: performance and limitations [invited]", 1994IAUS...158..273R ADS
- Roddier, F. & Graves, J. E., "Prospects in Adaptive Optics for Solar Applications", 1994IAUS...154..557R ADS
- Graves, J. E., Northcott, M. J., Roddier, C., et al., "The UH Experimental Adaptive Optics System: First Telescope Results with a Photon-Counting Avalanche Photodiode Array", 1994ESOC...48...47G ADS
- Roddier, F., "The Problematic of Adaptive Optics Design", 1994ASTC...423...89R ADS
- Roddier, C. & Roddier, F., "Wave-front reconstruction from defocused images and the testing of ground-based optical telescopes.", 1993JOSAA...10.2277R ADS
- Bely, P. Y., Burrows, C. J., Lamers, H. J., Roddier, F. J., & Weigelt, G., "HARDI-2: a high-angular-resolution deployable interferometer for UV observations of nearby stars", 1993SPIE.1947...84B ADS
- Bely, P. Y., Burrows, C. J., Roddier, F. J., Weigelt, G., & Bernasconi, M. C., "SISTERS: a space interferometer for the search for terrestrial exoplanets by rotation shearing", 1993SPIE.1947...73B ADS
- Roddier, C. & Roddier, F., "Combined approach to the Hubble Space Telescope wave-front distortion analysis.", 1993ApOpt...32.2992R ADS
- Roddier, C. & Roddier, F., "Testing Telescopes from Out-Of Images - Application to Groundbased Telescopes and to the Space Telescope", 1993oia.conf...236R ADS
- Bely, P. Y., Burrows, C. J., Roddier, F., & Weigelt, G., "HARDI: a high angular resolution deployable interferometer.", 1992ESASP.354..235B ADS
- Bely, P. Y., Burrows, C. J., Roddier, F., Weigelt, G., & Bernasconi, M. C., "SISTERS: a space interferometer for the search for terrestrial exoplanets by rotation shearing.", 1992ESASP.354...99B ADS
- Bely, P. Y., Burrows, C., Roddier, F., & Weigelt, G., "HARDI: A high angular resolution deployable interferometer for space", 1992NASCP3066..114B ADS
- Roddier, F., "Status of Astronomical Adaptive Optics Developments", 1992ESOC...39..571R ADS
- Graves, J. E., McKenna, D. L., Northcott, M. J., & Roddier, F., "The UH (University of Hawaii) prototype adaptive optics system.", 1992aolt.meet...173G ADS
- Roddier, F., Graves, J. E., McKenna, D. L., & Northcott, M. J., "The UH (University of Hawaii) wavefront curvature sensor.", 1992aolt.meet...170R ADS
- Graves, J. E., McKenna, D. L., Northcott, M. J., & Roddier, F., "Recent results of the UH (University of Hawaii) adaptive optics system.", 1992aolt.meet...146G ADS
- Roddier, F., "Towards lower cost adaptive optics systems.", 1992aolt.meet...59R ADS
- Roddier, C. A. & Roddier, F. J., "New optical testing methods developed at the University of Hawaii: results on ground-based telescopes and Hubble Space Telescope", 1992SPIE.1531...37R ADS
- Roddier, F., Graves, J. E., McKenna, D., & Northcott, M., "University of Hawaii adaptive optics system: I. General approach", 1991SPIE.1542..248R ADS
- Roddier, C. & Roddier, F., "Reconstruction of the Hubble Space Telescope mirror figure from out-of-focus stellar images", 1991SPIE.1494...78R ADS
- Coudé du Foresto, V., Fox, J., Poculp, G. A., et al., "Large-mirror testing facility at the National Optical Astronomy Observatories", 1991OptEn...30.1405C ADS
- Barr, L. D., Coudé du Foresto, V., Fox, J., et al., "Large-mirror testing facility at the National Optical Astronomy Observatories.", 1991OptEn...30.1405B ADS
- Roddier, F., Northcott, M., & Graves, J. E., "A Simple Low-Order Adaptive Optics System for Near-Infrared Applications", 1991PASP...103..131R ADS
- Roddier, C. & Roddier, F., "Self-calibration in rotational shearing interferometry", 1990SPIE.1351..698R ADS
- Roddier, F., "Variations on a Hartmann theme.", 1990OptEn...29.1239R ADS
- Roddier, C. & Roddier, F., "Diffraction-limited imaging of unknown objects through fixed unknown aberrations using interferometry.", 1990JOSAA...7.1824R ADS
- Gezari, D. Y., Roddier, F., & Roddier, C.: 1990, Spatial interferometry in optical astronomy. 1990sioa.book....G ADS
- Roddier, F. J., "Variations on a Hartmann theme", 1990SPIE.1237..662R ADS
- Bely, P. Y., Burrows, C. J., & Roddier, F., "A space interferometer concept for the detection of extrasolar earth-like planets.", 1990SPIE.1237..198B ADS
- Roddier, C., Roddier, F., Stockton, A., Pickles, A., & Roddier, N., "Testing of telescope optics: a new approach", 1990SPIE.1236..756R ADS
- Roddier, F. J., Cowie, L. L., Graves, J. E., et al., "Seeing at Mauna Kea: a joint UH-UN-NOAO-CFHT study", 1990SPIE.1236..485R ADS
- Roddier, F., Graves, J. E., & Limburg, E., "Seeing monitor based on wavefront curvature sensing", 1990SPIE.1236..474R ADS

- Gezari, D. Y., Roddier, F., & Roddier, C.: 1990, *Bibliography of spatial interferometry in optical astronomy* 1990STIN...9020911G ADS
- Sarazin, M. & Roddier, F., "The ESO differential image motion monitor", 1990A&A...227...294S ADS
- Bely, P. Y., Burrows, C., Roddier, F., & Weigelt, G., "HARDI: a high angular resolution deployable interferometer for space", 1989SPIE.1130...92B ADS
- Roddier, N. & Roddier, F., "Curvature sensing and compensation: a computer simulation.", 1989SPIE.1114...92R ADS
- , "Active telescope systems", 1989SPIE.1114...R ADS
- Roddier, F., Roddier, C., & van Peurse, S., "Diffraction-limited imaging through aberrated optics using pupil-plane and/or image-plane information", 1989SPIE.1059...173R ADS
- Roddier, F., Roddier, C., & van Peurse, S., "Diffraction-limited imaging through aberrated optics using pupil-plane and/or image-plane information.", 1989sscn.conf..173R ADS
- Roddier, F., "Spatially resolving the stellar environment.", 1989mse..proc...65R ADS
- Roddier, C., Roddier, F., & Demarcq, J., "Compact rotational shearing interferometer for astronomical applications.", 1989optEn..28...66R ADS
- Roddier, C. & Roddier, F., "Pupil-Plane Interferometry", 1989ASIC..274...221R ADS
- Roddier, F., "Optical Propagation and Image Formation Through the Turbulent Atmosphere", 1989ASIC..274...33R ADS
- Roddier, F., "Interferometric imaging in optical astronomy", 1988PhR...170...97R ADS
- Christou, J. C., Freeman, J. D., McCarthy, D. W., J., Roddier, F., & Beckers, J. M., "Diffraction-limited astronomical infrared imaging through the turbulent atmosphere", 1988JPhD...21S..49C ADS
- Roddier, F. & Roddier, C., "Curvature Sensing and Compensation: A New Concept in Adaptive Optics", 1988ESOC...30...667R ADS
- Shaklan, S. & Roddier, F., "Coupling starlight into single-mode fiber optics", 1988ApOpt..27.2334S ADS
- Roddier, F., "Curvature sensing and compensation: a new concept in adaptive optics", 1988ApOpt..27.1223R ADS
- Freeman, J. D., Christou, J. C., Roddier, F., McCarthy, D. W., J., & Cobb, M. L., "Application of bispectrum analysis for phase recovery from one-dimensional infrared speckle data.", 1988JOSAA...5...406F ADS
- Bely, P. Y., Burrows, C., Roddier, F., & Weigelt, G., "An Entry Level Interferometer for Space", 1988soae.conf...6B ADS
- Roddier, C. & Roddier, F., "Pupil Plane Interferometry", 1988dli..conf..221R ADS
- Roddier, F., "Optical Propagation and Image Formation Through the Turbulent Atmosphere", 1988dli..conf...33R ADS
- Roddier, F., "Interferometric imaging in optical astronomy.", 1988PhR...170...99R ADS
- Roddier, F. & Christou, J. C., "Phase variances from triple correlation analysis", 1988OptCo..65...115R ADS
- Roddier, F., "Passive versus active methods in optical interferometry.", 1988ESOC...29...565R ADS
- Roddier, C. & Roddier, F., "Phase recovery from pupil-plane interferograms.", 1988ESOC...29...257R ADS
- Christou, J. C., Freeman, J. D., McCarthy, D. W., J., & Roddier, F., "Application of speckle masking to 1-D infrared speckle data: modulus recovery and imaging.", 1988ESOC...29...201C ADS
- Connes, P., Roddier, F., Shaklan, S., & Ribak, E., "Fiber linked telescope arrays on the ground and in space", 1987ESASP.273...73C ADS
- Roddier, F., "Imaging strategies for a space-borne interferometer", 1987ESASP.273...23R ADS
- Shaklan, S. B. & Roddier, F., "Single-mode fiber optics in a long-baseline interferometer", 1987ApOpt..26.2159S ADS
- Christou, J. C., Freeman, J. D., Roddier, F., McCarthy, D. W., & Cobb, M. L., "Application of Bispectrum Analysis to 1-D Infrared Speckle Data", 1987BAAS...19...749C ADS
- Roddier, F., "Ground-based interferometry.", 1987txra.symp...41R ADS
- Roddier, C. & Roddier, F., "Seeing measurements with a pupil-plane rotation shearing interferometer.", 1987iopo.conf...77R ADS
- Roddier, F., "The physics of seeing: application of theory to site evaluation and testing.", 1987iopo.conf...12R ADS
- Roddier, C. & Roddier, F., "The Alpha-Orionis Envelope and its Evolution", 1987iia..conf..231R ADS
- Connes, P., Shaklan, S., & Roddier, F., "A Fiber-Linked Groundbased Array", 1987iia..conf..165C ADS
- Roddier, F., "Signal-To Ratios and Beam Combination", 1987iia..conf..135R ADS
- Roddier, F. & Roddier, C., "Phase Closure with Rotational Shear Interferometers", 1987iia..conf...79R ADS
- Freeman, J. D., Christou, J. C., Roddier, F., McCarthy, D. W., J., & Cobb, M. L., "Application of Triple Correlation to One-Dimensional Infrared Speckle Data", 1987iia..conf...47F ADS
- Roddier, C. & Roddier, F., "Processing of Interferograms", 1987iia..conf...25R ADS
- Roddier, F., "Single Aperture Interferometry - General Introduction", 1987iia..conf...1R ADS
- Christou, J. C., Beckers, J. M., Roddier, F., et al., "High angular resolution infrared imaging at NOAO (Poster)", 1987iawa.conf..464C ADS
- Roddier, F. & Roddier, C., "Image reconstruction from rotational shear interferograms: laboratory and astronomical results.", 1987SPIE..828..108R ADS
- Christou, J. C., Freeman, J. D., Roddier, F., et al., "Application of bispectrum analysis to infrared speckle data.", 1987SPIE..828...32C ADS
- Roddier, F., "Imaging stellar structures and surfaces.", 1987LIACo..27..247R ADS
- Roddier, F., Forbes, F., Shaklan, S., & Pinches, C., "Curvature sensing and compensation.", 1987LFTR...28..169R ADS
- Roddier, F., "Seeing and atmospheric turbulence: parameters relevant to adaptive optics.", 1987LFTR...28...7R ADS
- Roddier, F., "Redundant versus nonredundant beam recombination in an aperture synthesis with coherent optical arrays.", 1987JOSAA...4.1396R ADS
- Roddier, F., "Choix du site.", 1987JAF...29...31R ADS
- Roddier, F. & Roddier, C., "Phase closure with rotational shear interferometers.", 1986OptCo..60..350R ADS
- Roddier, F., "Pupil plane versus image plane in Michelson stellar interferometry.", 1986JOSAA...3.2160R ADS
- Roddier, F., "Triple correlation as a phase closure technique", 1986OptCo..60..145R ADS
- Roddier, C., Roddier, F., & Richardson, J., "High Resolution Mirror Figure Estimates from Interferograms", 1986BAAS...18..944R ADS
- Roddier, F., "Betelgeuse Correction", 1986S&T...71..541R ADS
- Roddier, F., Roddier, C., Petrov, R., et al., "New Observations of Alpha Orionis with a Rotation Shearing Interferometer", 1986ApJ...305L..77R ADS
- Petrov, R., Roddier, F., & Aime, C., "Signal-to-noise ratio in differential speckle interferometry.", 1986JOSAA...3..634P ADS
- , "Concepts for a large telescope in space with interferometric imaging", 1986aiaa.meetQ...B ADS
- Roddier, F. & Eisenhardt, P., "National Optical Astronomy Observatories / NOAO / Infrared Adaptive Optics Program - Part Four - Infrared Background Speckle Noise Induced by Adaptive Optics in Astronomical Telescopes", 1986SPIE..628..314R ADS
- Goad, L., Roddier, F., Beckers, J., & Eisenhardt, P., "National Optical Astronomy Observatories (NOAO) IR adaptive optics program. III - Criteria for the wavefront sensor selection", 1986SPIE..628..305G ADS
- Roddier, F. & Roddier, C., "National Optical Astronomy Observatories (NOAO) infrared adaptive optics program. II - Modeling atmospheric effects in adaptive optics systems for astronomical telescopes", 1986SPIE..628..298R ADS
- Beckers, J. M., Roddier, F. J., Eisenhardt, P. R., Goad, L. E., & Shu, K.-L., "National Optical Astronomy Observatories (NOAO) infrared adaptive optics program. I - General description", 1986SPIE..628..290B ADS
- Roddier, F., "Fiber-coupled interferometric imaging array.", 1986JOSAA...3P...6R ADS
- Shaklan, S. & Roddier, F., "Use of single-mode fibers in an optical interferometric array.", 1986JOSAA...3P...5S ADS
- Roddier, F., "Fiber-coupled interferometric imaging array (A)", 1986JOSAA...3...6R ADS
- Roddier, C. & Roddier, F., "Interferometric seeing measurements at La Silla.", 1986ESOC...24..269R ADS
- Roddier, F., "Guidelines for a site testing campaign and the LASSCA (La Silla Site Campaign) experience.", 1986ESOC...24..261R ADS
- Eisenhardt, P. & Roddier, F., "IR Background Speckle Noise Induced by Adaptive Optics in Astronomical Telescopes", 1985BAAS...17Q.901E ADS
- Roddier, F. & Roddier, C., "An image reconstruction of alpha Orionis.", 1985ApJ...295L..21R ADS
- Roddier, F., Roddier, C., & Karovska, M., "High Angular Resolution Interferometric Observations of Betelgeuse in the Visible", 1985ASL..117...63R ADS
- Beckers, J. M., Eisenhardt, P., Goad, L., & Roddier, F., "Polychromatic Adaptive Optics for Infrared Telescopes", 1985BAAS...17R.571B ADS
- Karovska, M., Noyes, R. W., Roddier, F., Nisenson, P., & Stachnik, R. V., "On a Possible Close Companion to α Or", 1985BAAS...17...598K ADS
- Roddier, F. & Eisenhardt, P., "IR background speckle noise induced by adaptive optics in astronomical telescopes.", 1985SPIE..556..248R ADS
- Roddier, F. & Lena, P., "Long-baseline Michelson interferometry with large ground-based telescopes operating at optical wavelengths. II. Interferometry at infrared wavelengths.", 1984JOpt...15..363R ADS

- Roddiier, F. & Lena, P., "Long-baseline Michelson interferometry with large ground-based telescopes operating at optical wavelengths. I. General formalism. Interferometry at visible wavelengths.", 1984JOpt...15..171R ADS
- Roddiier, F. & Breckinridge, J. B., "PM. 09 Interferometric Image Reconstruction Using the L. D. R. in a Light Bucket Mode", 1984BAAS...16..832R ADS
- Roddiier, F., "Measuring atmospheric seeing", 1984v1ti.conf..191R ADS
- Roddiier, F.: 1984b, Distributions et transformation de Fourier à l'usage des physiciens et des ingénieurs 1984detd.book....R ADS
- Roddiier, F., "Review on Increase in Spatial Resolving Power", 1984apoa.conf...22R ADS
- Roddiier, F., "Special requirements for high angular resolution interferometry.", 1984ESOC...18..193R ADS
- Roddiier, C. & Roddiier, F., "High angular resolution observations of alpha Orionis with a rotationshearing interferometer.", 1983ApJ...270L..23R ADS
- Roddiier, F., "Testing seeing quality", 1983ESOC...17..255R ADS
- Roddiier, F., "Future possibilities of ground-based interferometry in the visible", 1983ESOC...17..155R ADS
- Roddiier, F., Gilli, J. M., & Lund, G., "On the origin of speckle boiling and its effects in stellar speckle interferometry.", 1982JOpt...13..263R ADS
- Roddiier, F., Gilli, J. M., & Vernin, J., "On the isoplanatic patch size in stellar speckle interferometry.", 1982JOpt...13..63R ADS
- Roddiier, F., "How to achieve diffraction limited resolution with large space telescopes", 1982AdSpR...2d..3R ADS
- Roddiier, F. & Roddiier, C., "High angular resolution with rotation shearing interferometers: preliminary results and future potentials.", 1982ASSL...92..207R ADS
- Roddiier, C., Roddiier, F., & Vernin, J., "Rotation interferometry: a new technique for achieving high angular resolution.", 1981siha.conf..165R ADS
- Roddiier, F., "Atmospheric limitations to high angular resolution imaging.", 1981siha.conf...5R ADS
- Roddiier, F., "The effects of atmospheric turbulence in optical astronomy", 1981PrOpt...19..281R ADS
- Roddiier, C., Roddiier, F., Martin, F., Baranne, A., & Brun, R., "Twin-image holography with spectrally broad light", 1980JOpt...11..149R ADS
- Roddiier, F., "Observations of the Sun with interferometry and speckle-interferometry techniques", 1980fsoo.conf...96R ADS
- Roddiier, F., "New trends in stellar speckle interferometry.", 1980SPIE..243..83R ADS
- Roddiier, F., "Speckle and Intensity Interferometry. Applications to Astronomy", in M. Schlenker, M. Fink, J. P. Goedgebuer, C. Malgrange, J. C. Viénot, and R. H. Wade (Eds.), Imaging Processes and Coherence in Physics, Vol. 112, 344 1980LNP...112..344R ADS
- Aime, C., Martin, F., Grec, G., & Roddiier, F., "Statistical determination of a morphological parameter in solar granulation: spatial distribution of granules.", 1979A&A...79...1A ADS
- Chelli, A., Lena, P., Roddiier, C., Roddiier, F., & Sibille, F., "Modulation Transfer Function for Infra-red Stellar Speckle Interferometry: Evidence for a Log-normal Statistic", 1979AcOpt..26..583C ADS
- Roddiier, F., "Rotation-shearing interferometry", 1979hars.proc...32R ADS
- Roddiier, F., "Observations of the sun with interferometry and speckle-interferometry techniques.", 1979MmArc.106...96R ADS
- Roddiier, F., "The effects of atmospheric turbulence on the formation of visible and infrared images.", 1979JOpt...10..299R ADS
- Martin, F., Borgnino, J., Aime, C., Ricort, G., & Roddiier, F., "Estimation errors for the covariance determination of stationary and ergodic stochastic processes with a nonzero mean value.", 1979JOpt...10...99M ADS
- Roddiier, C. & Roddiier, F., "Imaging with a Coherence Interferometer in Optical Astronomy", 1979ASSL...76..175R ADS
- Roddiier, F., Ricort, G., & Roddiier, C., "Defocusing effects in astronomical speckle interferometry", 1978OptCo..24..281R ADS
- Roddiier, F. & Roddiier, C., "Experiments for large multi-mirror telescopes. II-Imaging with a multi-mirror telescope.", 1978otf..conf..359R ADS
- Roddiier, F., Fossat, E., Grec, G., & Roddiier, C., "Experiments for large multi-mirror telescopes. I- Detection of non radial stellar oscillations.", 1978otf..conf..357R ADS
- Roddiier, F., "Observations of the Sun with interferometry and speckle interferometry techniques", 1978fsoo.conf...96R ADS
- Aime, C. & Roddiier, F., "One-dimensional stellar and solar speckle interferometry", 1977OptCo..21..435A ADS
- Roddiier, F., Ricort, G., & Roddiier, C., "Defocusing effects in astronomical speckle interferometry.", 1977OptCo..24..281R ADS
- Roddiier, C. & Roddiier, F., "Seeing effects removal in a Michelson stellar interferometer.", 1976JOSA...66.1347R ADS
- Aime, C. & Roddiier, F., "Imaging through turbulence with telescope arrays", 1976OptCo..19...57A ADS
- Roddiier, C. & Roddiier, F., "On the fringe visibility in a Michelson stellar interferometer.", 1976JOSA...66..580R ADS
- Roddiier, F., "Treatment of astronomical images degraded by atmospheric fluctuations.", 1976RvPA...11..195R ADS
- Roddiier, F. & Roddiier, C., "Effects of the atmosphere in stellar speckle interferometry.", 1976JOSA...66..181R ADS
- Roddiier, F., "The treatment of astronomical images degraded by atmospheric fluctuations.", 1975AnTel..30..304R ADS
- Roddiier, F., "Principle of production of an acoustic hologram of the solar surface", 1975CRASB.281...93R ADS
- Roddiier, C. & Roddiier, F., "Influence of exposure time on spectral properties of turbulence-degraded astronomical images.", 1975JOSA...65..664R ADS
- Martin, F., Borgnino, J., & Roddiier, F., "Atmospheric turbulent layers localisation by optical processing of stellar shadow pattern", 1975NROpt...6...15M ADS
- Vernin, J. & Roddiier, F., "Détection au sol de la turbulence stratosphérique par intercorrélation spatioangulaire de la scintillation stellaire.", 1975CRASB.280..463V ADS
- Fossat, E., Ricort, G., Aime, C., & Roddiier, F., "Evidence for Large-Scale Oscillations of the Solar Photosphere", 1974ApJ...193L..97F ADS
- Roddiier, F., "Speckle interferometry through small multiple apertures. Michelson stellar interferometer and aperture synthesis in optics.", 1974OptCo..10..103R ADS
- Rocca, A., Roddiier, F., & Vernin, J., "Detection of atmospheric turbulent layers by spatiotemporal and spatioangular correlation measurements of stellar-light scintillation.", 1974JOSA...64.1000R ADS
- Roddiier, C. & Roddiier, F., "Correlation measurements on the complex amplitude of stellar plane waves perturbed by atmospheric turbulence", 1973JOSA...63..661R ADS
- Vernin, J. & Roddiier, F., "Experimental determination of two-dimensional spatiotemporal power spectra of stellar light scintillation. Evidence for a multilayer structure of the air turbulence in the upper troposphere.", 1973JOSA...63..270V ADS
- Fossat, E. & Roddiier, F., "A Sodium Experiment for Photospheric Velocity Field Observations", 1971SoPh...18..204F ADS
- Gonczy, G. & Roddiier, F., "A Model of the Solar Photospheric Velocity Field", 1971A&A...11...28G ADS
- Roddiier, F., "Line Profiles in Sunspot Umbrae and Penumbrae by Atomic Beam Spectroscopy", 1971IAUS...43..249R ADS
- Rix, H. & Roddiier, F., "Interpretation of the East-West Asymmetry of the Initial Appearance of Sunspots", 1970A&A...9..301R ADS
- Gonczy, G. & Roddiier, F., "A Fourier Spectrum Analysis of Long Samples of Solar Line Oscillations", 1969SoPh...8..255G ADS
- Roddiier, F., "Observation of the Solar Line Oscillations with an Atomic-Beam Spectro-Photometer", 1967ApJ...147.1113R ADS
- Roddiier, F., "Étude à haute résolution de quelques raies de Fraunhofer par observation de la résonance optique d'un jet atomique. III", 1966AnAp...29..639R ADS
- Livingston, W., Roddiier, F., Spinrad, H., Slaughter, C., & Chapman, D., "The Sodium D Lines in Comet Ikeya-Seki", 1966S&T...31...24L ADS
- Roddiier, F., "Microturbulence Above the Hydrogen Convection Zone", 1966IAUTB...12..553R ADS
- Pecker, J. C. & Roddiier, F., "Micromotions, Macromotions, and Non-LTE Effects", 1965SAOSR.174..437P ADS
- Roddiier, F., "Étude à haute résolution de quelques raies de Fraunhofer par observation de la réponse optique d'un jet atomique. II. Résultats des observations solaires", 1965AnAp...28..478R ADS
- Roddiier, F., "Étude à haute résolution de quelques raies de Fraunhofer par observation de la réponse optique d'un jet atomique. I. Réalisation d'un spectrographe à jet atomique.", 1965AnAp...28..463R ADS
- Blamont, J. E. & Roddiier, F., "Etude à Haute Résolution du Profil de la Raie $\lambda = 4607.3 \text{ \AA}$ du Strontium Neutre en Différents Points du Disque Solaire et Mesure des Longueurs d'Onde au Spectrographe à Jet Atomique", 1964CRASB.258..449B ADS
- Blamont, J. E. & Roddiier, F., "Precise Observation of the Profile of the Fraunhofer Strontium Resonance Line. Evidence for the Gravitational Red Shift on the Sun", 1961PhRvL...7..437B ADS