

Lens Galaxies as a Probe of Galaxy Structure and Evolution," *Astrophysical Journal*, **509**, pp. 561-578

C.R. Keeton, and C.S. Kochanek [1998], "Gravitational Lensing by Spiral Galaxies," *Astrophysical Journal*, **495**, pp. 157-169

C.R. Keeton, S. Mao, and H.J. Witt [2000], "Gravitational Lenses with more than Four Images. I. Classification of Caustics," *Astrophysical Journal*, **537**, pp. 697-707

C.R. Keeton, E.E. Falco, C.D. Impey, C.S. Kochanek, J. Lehár, B.A. McLeod, H. Rix, J.A. Muñoz, and C.Y. Peng [2000], "The Host Galaxy of the Lensed Quasar Q0957+561," *Astrophysical Journal*, **542**, pp. 74-93

C.R. Keeton [2001], "A Catalog of Mass Models for Gravitational Lensing," astro-ph/0102341

K.I. Kellermann, and A.R. Thompson [1985], "The very long baseline array", *Science*, **229**, pp. 123-130

L.J. King, and I.W.A. Browne [1996], "Biases, selection effects and image multiplicities in the Jodrell Bank-VLA gravitational lens survey.", *Monthly Notices of the Royal Astronomical Society*, **282**, pp. 67-76

L.J. King, I.W.A. Browne, D.R. Marlow, A.R. Patnaik, and P.N. Wilkinson [1999], "Gravitationally lensed radio sources in the Jodrell Bank-VLA Astrometric Survey," *Monthly Notices of the Royal Astronomical Society*, **307**, pp. 225-235

C.S. Kochanek, C.R. Keeton, and B.A. McLeod [2001], "The Importance of Einstein Rings," *Astrophysical Journal*, **547**, pp. 50-59

C.S. Kochanek, E.E. Falco, and R. Schild [1995], "The FKS Gravitational Lens Survey," *Astrophysical Journal*, **452**, pp. 109-139

C.S. Kochanek, and J. Hewitt [1996], eds, "Astrophysical Applications of Gravitational Lensing", IAU Symposium 173, Kluwer, Dordrecht, Netherlands.

C.S. Kochanek [1996a], "The Flat-Spectrum Radio Luminosity Function, Gravitational Lensing, Galaxy Ellipticities, and Cosmology," *Astrophysical Journal*, **473**, pp. 595-609

C.S. Kochanek [1996b], "Is There a Cosmological Constant?", *Astrophysical Journal*, **466**, pp. 638-659

C.S. Kochanek, E.E. Falco, and J.A. Muñoz [1998], "Why Quasar Pairs are Binary Quasars and Not Gravitational Lenses," *Astrophysical Journal*, **510**, pp. 590-596

C.S. Kochanek, E.E. Falco, C.D. Impey, J. Lehár, B.A. McLeod, H. Rix, C.R. Keeton, J.A. Muñoz, and C.Y. Peng [2000a], "The Fundamental Plane of Gravitational Lens Galaxies and The Evolution of Early-Type Galaxies in Low-Density Environments," *Astrophysical Journal*, **543**, pp. 131-148

C.S. Kochanek, E.E. Falco, C.D. Impey, J. Lehár, B.A. McLeod, H. Rix, C.R. Keeton, J.A. Muñoz, and C.Y. Peng [2000b], "The Infrared Einstein Ring in the Gravitational Lens MG J1131+0456 and the Death of the Dusty Lens Hypothesis," *Astrophysical Journal*, **535**, pp. 692-705

C.S. Kochanek, E.E. Falco, C. Impey, J. Lehár, B. McLeod, and H. -W. Rix [2001], *CASTLeS*, <http://cfa-www.harvard.edu/glensdata/>

L.V.E. Koopmans, A.G. de Bruyn, and N. Jackson [1998], "The edge-on spiral gravitational lens B1600+434," *Monthly Notices of the Royal Astronomical Society*, **295**, pp. 534-548

L.V.E. Koopmans, A.G. de Bruyn, E. Xanthopoulos, and C.D. Fassnacht [2000], "A time-delay determination from VLA light curves of the CLASS gravitational lens B1600+434," *Astronomy & Astrophysics*, **356**, pp. 391-402

- L.V.E. Koopmans, and A.G. de Bruyn [2000], “Microlensing of multiply-imaged compact radio sources. Evidence for compact halo objects in the disk galaxy of B1600+434,” *Astronomy & Astrophysics*, **358**, pp. 793-811
- T. Kundic, E.L. Turner, W.N. Colley, J.R. Gott, Rhoads III, Wang J.E., Bergeron Y., Gloria L.E., Long K.A., Malhotra D.C., Wambsganss S., and J [1997], “A Robust Determination of the Time Delay in 0957+561A, B and a Measurement of the Global Value of Hubble’s Constant,” *Astrophysical Journal*, **482**, pp. 75-82
- C.R. Lawrence, C.L. Bennett, J.N. Hewitt, G.I. Langston, S.E. Klotz, B.F. Burke, and K.C. Turner [1986], “5 GHz radio structure and optical identifications of sources from the MG survey. II - Maps and finding charts,” *Astrophysical Journal Supplement*, **61**, pp. 105-157
- J. Lehár, E.E. Falco, C.S. Kochanek, B.A. McLeod, J.A. Muñoz, C.D. Impey, H. Rix, C.R. Keeton, and C.Y. Peng [2000], “Hubble Space Telescope Observations of 10 Two-Image Gravitational Lenses,” *Astrophysical Journal*, **536**, pp. 584-605
- J. Lehár, A. Buchalter, R.G. McMahon, C.S. Kochanek, and T.W.B. Muxlow [2001], “An Efficient Search for Gravitationally Lensed Radio Lobes,” *Astrophysical Journal*, **547**, pp. 60-76
- H. Lesch, and M. Chiba [1997], “On the Origin and Evolution of Galactic Magnetic Fields,” *Fundamentals of Cosmic Physics*, **18**, pp. 273-368
- C. Lidman, F. Courbin, G. Meylan, T. Broadhurst, B. Frye, and W.J.W. Welch [1999], “The Redshift of the Gravitationally Lensed Radio Source PKS 1830-211”, *Astrophysical Journal*, **514**, pp. L57-L60
- J.E.J. Lovell, J.E. Reynolds, D.L. Jauncey, P.R. Backus, P.M. McCulloch, M.W. Sinclair, W.E. Wilson, A.K. Tzioumis, E.A. King, R.G. Gough, S.P. Ellingsen, C.J. Phillips, R.A. Preston, and D.L. Jones [1996], “PKS 1830-211: A Possible Compound Gravitational Lens,” *Astrophysical Journal Letters*, **472**, pp. L5-L7
- J.E.J. Lovell, D.L. Jauncey, J.E. Reynolds, M.H. Wieringa, E.A. King, A.K. Tzioumis, P.M. McCulloch, and P.G. Edwards [1998], “The Time Delay in the Gravitational Lens PKS 1830-211,” *Astrophysical Journal Letters*, **508**, pp. L51-L54
- P. Madau, H.C. Ferguson, M.E. Dickinson, M. Giavalisco, C.C. Steidel, and A. Fruchter [1996], “High-redshift galaxies in the Hubble Deep Field: colour selection and star formation history to z 4,” *Monthly Notices of the Royal Astronomical Society*, **283**, pp. 1388-1404
- D. Maoz, J.N. Bahcall, R. Doxsey, D.P. Schneider, N.A. Bahcall, O. Lahav, and B. Yanny [1992], “Gravitational lensing of quasars as seen by the Hubble Space Telescope Snapshot Survey,” *Astrophysical Journal*, **394**, pp. 51-60
- D.R. Marlow, I.W.A. Browne, N. Jackson, and P.N. Wilkinson [1999], “NICMOS and VLBA observations of the gravitational lens system B1933+503,” *Monthly Notices of the Royal Astronomical Society*, **305**, pp. 15-18
- D.R. Marlow, D. Rusin, N. Jackson, P.N. Wilkinson, I.W.A. Browne, and L. Koopmans [2000a], “Redshifts of CLASS Radio Sources,” *Astronomical Journal*, **119**, pp. 2629-2633
- J. McKean [2001], in preparation.
- Y. Mellier [1999], “Probing the Universe with Weak Lensing”, *Annual Reviews of Astronomy & Astrophysics*, **37**, pp. 127-189
- D.J. Mortlock, and R.L. Webster [2000], “Using galaxy redshift surveys to detect gravitationally lensed quasars,” *Monthly Notices of the Royal Astronomical Society*, **319**, pp. 879-892
- J.R. Mould, J.P. Huchra, W.L. Freedman, R.C. Kennicutt, Ferrarese, L. Ford , H.C. Gibson, B.K. Graham, J.A. Hughes, S.M.G. Illingworth, G.D. Kelson, D.D. Macri, L.M. Madore, B.F. Sakai, S. Sebo, K.M. Silbermann, and N.A. Stetson [2000], “The Hubble Space Telescope Key

- Project on the Extragalactic Distance Scale. XXVIII. Combining the Constraints on the Hubble Constant," *Astrophysical Journal*, **529**, pp. 786-794
- J.A. Muñoz, C.S. Kochanek, and C.R. Keeton [2001], "Cusped Mass Models of Gravitational Lenses," astro-ph/0103009, to appear in *Astrophysical Journal*, 2001
- M.T. Murphy, J.K. Webb, V. V. Flambaum, M.J. Drinkwater, F. Combes, and T. Wiklind [2001], "Improved constraints on possible variation of physical constants from H I 21cm and molecular QSO absorption lines", astro-ph/0101519, to appear in *Monthly Notices of the Royal Astronomical Society*, 2001
- S.T. Myers, N. Jackson, I.W.A. Browne, D. Rusin, C.D. Fassnacht, P.N. Wilkinson, M. Norbury, D. Marlow, D. Rusin, L. Koopmans, R.D. Blandford, A.G. de Bruyn, T.J. Pearson, A.C.S. Readhead, and M.C. Shepherd [2001], "CLASS: A Gravitational Lens Survey of Flat-Spectrum Radio Sources -I. Source selection and observations," *Astrophysical Journal*, submitted.
- D. Narasimha, K. Subrahmanian, and S.M. Chitre [1986], " 'Missing image' in gravitational lens systems?", *Nature*, **321**, pp. 45-46
- R. Narayan [1998], "A review of astrophysical results from gravitational lensing," *New Astronomy Reviews*, **42**, pp. 73-79
- J.F. Navarro, C.S. Frenk, and S.D.M. White [1996], "The Structure of Cold Dark Matter Halos," *Astrophysical Journal*, **462**, pp. 563-575
- R.J. Nemiroff, and V.G. Bistolas [1990], "Gravitational lens limits on cosmological black holes," *Astrophysical Journal*, **358**, pp. 5-17
- R.J. Nemiroff [1989], "On the probability of detection of a single gravitational lens," *Astrophysical Journal*, **341**, pp. 579-587
- M.A. Norbury, N. Jackson, I.W.A. Browne, P.N. Wilkinson [2001] "Limits on core radii from the JVAs/CLASS gravitational lenses," *Monthly Notices of the Royal Astronomical Society*, submitted.
- B. Paczynski [1996], "Gravitational Microlensing in the Local Group," *Annual Reviews of Astronomy and Astrophysics*, **34**, pp. 419-460
- A.R. Patnaik, R.W. Porcas, and I.W.A. Browne [1995], "VLBA observations of the gravitational lens system B0218+357," *Monthly Notices of the Royal Astronomical Society*, **274**, pp. L5-L7
- A.R. Patnaik, A.J. Kemball, R.W. Porcas, and M.A. Garrett [1999], "Milliarcsec-scale polarization observations of the gravitational lens B1422+231", *Monthly Notices of the Royal Astronomical Society*, **307**, pp. L1-L5
- J.A. Peacock [2000], *Cosmological Physics*, Cambridge, Cambridge University Press.
- S. Perlmutter, G. Aldering, G. Goldhaber, R.A. Knop, P. Nugent, P.G. Castro, S. Deustua, S. Fabbro, A. Goobar, D.E. Groom, I.M. Hook, A.G. Kim, M.Y. Kim, J.C. Lee, N.J. Nunes, R. Pain, C.R. Pennypacker, R. Quimby, C. Lidman, R.S. Ellis, M. Irwin, R.G. McMahon, P. RuizLapuente, N. Walton, B. Schaefer, B.J. Boyle, A.V. Filippenko, T. Matheson, A.S. Fruchter, N. Panagia, H.J.M. Newberg, W.J. Couch, and The Supernova Cosmology Project [1999], "Measurements of Omega and Lambda from 42 High-Redshift Supernovae," *Astrophysical Journal*, **517**, pp. 565-586
- P.M. Phillips, I.W.A. Browne, and P.N. Wilkinson [2001], "ARCS, the Arcminute Radio Cluster-lens Search - I. Selection criteria and initial results," *Monthly Notices of the Royal Astronomical Society*, **321**, pp. 187-198
- G.G. Pooley, I.W.A. Browne, E.J. Daintree, P.K. Moore, R.G. Noble, and D. Walsh [1979], "Radio studies of the double QSO, 0957+561A,B", *Nature*, **280**, pp. 461-464
- W.H. Press [1996], in "Astrophysical Applications of Gravitational Lensing", IAU Symposium

- 173, eds. C. Kochanek & J. Hewitt, pp. 407-414, Kluwer, Dordrecht, Netherlands.
- R. Quast, and P. Helbig [1999], “Gravitational lensing statistics with extragalactic surveys. I. A lower limit on the cosmological constant,” *Astronomy & Astrophysics*, **344**, pp. 721-734
- R.W. Porcas, C.M. Urry, I.W.A. Browne, A.M. Cohen, E.J. Daintree, and D. Walsh [1980], “Radio positions and optical identifications for radio sources selected at 966 MHz. II,” *Monthly Notices of the Royal Astronomical Society*, **191**, pp. 607-614
- W.H. Press, and J.E. Gunn [1973], “Method for Detecting a Cosmological Density of Condensed Objects,” *Astrophysical Journal*, **185**, pp. 397-412
- S. Refsdal [1964], “On the possibility of determining Hubble’s parameter and the masses of galaxies from the gravitational lens effect,” *Monthly Notices of the Royal Astronomical Society*, **128**, pp. 307-310
- S. Refsdal [1993], in “Gravitational lenses in the Universe”, Proc. 31st Liège Astrophysical Colloquium, eds. J. Surdej et al., University of Liège, Belgium.
- S. Refsdal, and J. Surdej [1994], “Gravitational Lenses,” *Reports on Progress in Physics*, **57**, pp. 117-185
- G.T. Richards, J.A. Annis, A.R. Cooray, S. Dodelson, J.A. Frieman, D. Johnston, T.A. McKay, S. Monk, H.J. Newberg, B. Pindor, R. Scranton, E.S. Sheldon, and E.L. Turner [1999], *Bulletin of the American Astronomical Society*, **194**, p. 11603
- B.J. Rickett [1977], “Interstellar scattering and scintillation of radio waves,” *Annual Reviews of Astronomy and Astrophysics*, **15**, pp. 479-504
- A.G. Riess, A.V. Filippenko, P. Challis, A. Clocchiatti, A. Diercks, P.M. Garnavich, R.L. Gilliland, C.J. Hogan, S. Jha, R.P. Kirshner, B. Leibundgut, M.M. Phillips, D. Reiss, B.P. Schmidt, R.A. Schommer, R.C. Smith, J. Spyromilio, C. Stubbs, N.B. Suntzeff, and J. Tonry [1998], “Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant,” *Astronomical Journal*, **116**, pp. 1009-1038
- E. Ros, J.C. Guirado, J.M. Marcaide, M.A. Pérez-Torres, E.E. Falco, J.A. Muñoz, A. Alberdi, L. Lara [2000], “VLBI Imaging of the Gravitational Lens MG J0414+0534,” *Astronomy & Astrophysics*, **362**, pp. 845-850
- V.C. Rubin [2000], “One Hundred Years of Rotating Galaxies,” *Publications of the Astronomical Society of the Pacific*, **112**, pp. 747-750
- D. Rusin, and C. Ma [2001], “Constraints on the Inner Mass Profiles of Lensing Galaxies from Missing Odd Images,” *Astrophysical Journal Letters*, **549**, pp. L33-L37
- D. Rusin, C.S. Kochanek, M. Norbury, E.E. Falco, C.D. Impey, J. Lehar, B.A. McLeod, H.-W. Rix, C.R. Keeton, J.A. Munoz, C.Y. Peng [2001], “B1359+154: A Six Image Lens Produced by a z=1 Compact Group of Galaxies,” astro-ph/0011505, to appear in *Astrophysical Journal*, 2001
- D. Rusin, P.B. Hall, R.C. Nichol, D.R. Marlow, A.M.S. Richards, and S.T. Myers [2000], “Adaptive Optics Imaging of the CLASS Gravitational Lens System B1359+154 with the Canada-France-Hawaii Telescope,” *Astrophysical Journal Letters*, **533**, pp. L89-L92
- P. Saha, and L. Williams [1997], “Non-parametric reconstruction of the galaxy lens in PG 1115+080,” *Monthly Notices of the Royal Astronomical Society*, **292**, pp. 148-156
- A. Sandage [1999], “Bias Properties of Extragalactic Distance Indicators. VIII. H_0 from Distance-limited Luminosity Class and Morphological Type-Specific Luminosity Functions for SB, SBC, and SC Galaxies Calibrated Using Cepheids,” *Astrophysical Journal*, **527**, pp. 479-487
- P.L. Schechter, C.D. Bailyn, R. Barr, R. Barvainis, C.M. Becker, G.M. Bernstein, J.P. Blakeslee, S.J. Bus, A. Dressler, E.E. Falco, R.A. Fesen, P. Fischer, K. Gebhardt, D. Harmer, J.N. Hewitt,

- J. Hjorth, T. Hurt, A.O. Jaunsen, M. Mateo, D. Mehlert, D.O. Richstone, L.S. Sparke, J.R. Thorstensen, J.L. Tonry, G. Wegner, D.W. Willmarth, and G. Worthey [1997], “The Quadruple Gravitational Lens PG 1115+080: Time Delays and Models,” *Astrophysical Journal Letters*, **475**, pp. L85-L88
- P.L. Schechter [2001], “ H_0 from Gravitational Lenses: Recent Results,” in *IAU Symposium 201: The New Cosmology and the Values of the Fundamental Parameters*, available from astro-ph/0009048, to be published by Kluwer, Dordrecht, Netherlands, 2001
- P. Schneider, J. Ehlers, and E.E. Falco [1992], *Gravitational Lenses*, Berlin, Springer-Verlag.
- P. Schneider [1999], in “Perspectives on Radio Astronomy: Science with Large Antenna arrays” ed. M.P. van Haarlem, Proc. Conf. April 1999, published by ASTRON, Netherlands.
- I. Smail, R.J. Ivison, and A.W. Blain [1997], “A Deep Sub-millimeter Survey of Lensing Clusters: A New Window on Galaxy Formation and Evolution,” *Astrophysical Journal Letters*, **490**, pp. L5-L8
- G. Squires, and N. Kaiser [1996], “Unbiased Cluster Lens Reconstruction”, *Astrophysical Journal*, **473**, pp. 65-80
- J. Surdej, J.F. Claeskens, D. Crampton, A.V. Filippenko, D. Hutsemekers, P. Magain, B. Pirenne, C. Vanderriest, and H.K.C. Yee [1993], “Gravitational lensing statistics based on a large sample of highly luminous quasars,” *Astronomical Journal*, **105**, pp. 2064-2078
- P. Thomasson [1986], “MERLIN,” *Quarterly Journal of the Royal Astronomical Society*, **27**, pp. 413-431
- N. Trentham, O. Möller, and E. Ramirez-Ruiz [2001], “Completely dark galaxies: their existence, properties and strategies for finding them,” *Monthly Notices of the Royal Astronomical Society*, **322**, pp. 658-668
- C. Trotter, J. Winn, and J.N. Hewitt [2000], “A Multipole-Taylor Expansion for the Potential of the Gravitational Lens MG J0414+0534”, *Astrophysical Journal*, **535**, pp. 671-691
- E.L. Turner, J.P. Ostriker, and J.R. Gott [1984], “The statistics of gravitational lenses - The distributions of image angular separations and lens redshifts,” *Astrophysical Journal*, **284**, pp. 1-22
- S.J. Wagner, and A. Witzel [1995], “Intraday Variability In Quasars and BL Lac Objects” *Annual Reviews of Astronomy and Astrophysics*, **33**, pp. 163-198
- S. Wallington, and R. Narayan [1993], “The influence of core radius on gravitational lensing by elliptical lenses,” *Astrophysical Journal*, **403**, pp. 517-529
- D. Walsh, R.F. Carswell, and R.J. Weymann [1979], “0957 + 561 A, B - Twin quasistellar objects or gravitational lens,” *Nature*, **279**, pp. 381-384
- D. Walsh [1989], “0957+561: the unpublished story,” in *Gravitational Lenses*, Lecture Notes in Physics, 330, Berlin, Springer-Verlag, p. 11
- T. Wiklind, and F. Combes [1995], “CO, HCO⁺ and HCN absorption in the gravitational lens candidate B0218+357 at z=0.685,” *Astronomy & Astrophysics*, **299**, pp. 382-388
- P.N. Wilkinson, D.R. Henstock, I.W.A. Browne, A.G. Polatidis, P. Augusto, A.C.S. Readhead, T.J. Pearson, W. Xu, G.B. Taylor, and R.C. Vermeulen [2001], “Limits on the cosmological abundance of supermassive compact objects from a search for multiple imaging in compact radio sources,” *Physical Review Letters*, **86**, pp. 584-587
- J.N. Winn, J.N. Hewitt, P.L. Schechter, A. Dressler, E.E. Falco, C.D. Impey, C.S. Kochanek, J. Lehár, J.E.J. Lovell, B.A. McLeod, N.D. Morgan, J.A. Muñoz, H. Rix, and M.T. Ruiz [2000], “PMN J1838-3427: A New Gravitationally Lensed Quasar,” *Astronomical Journal*, **120**, pp. 2868-2878

J.N. Winn, J.N. Hewitt, A.R. Patnaik, P.L. Schechter, R.A. Schommer, S. López, J. Maza, and S. Wachter [2001], "A Nearly Symmetric Double-Image Gravitational Lens," *Astronomical Journal*, **121**, pp. 1223-1231

L. Wisotzki, O. Wucknitz, S. Lopez, and A.N. Sorensen [1998], "First estimate of the time delay in HE 1104-1805," *Astronomy & Astrophysics*, **339**, pp. L73-L76

A. Wootten [2001], *Science with the Atacama Large Millimeter Array*, ASP Conference Proceeding Vol. 235. Edited by Alwyn Wootten. San Francisco: Astronomical Society of the Pacific.

D.G. York, J. Adelman, J.E. Anderson, Anderson Jr., Annis S.F., Bahcall J., Bakken N.A., Barkhouse J.A., Bastian R., Berman S., Boroski E., Bracker W.N., Briegel S., Briggs C., Brinkmann J.W., Brunner J., Burles R., Carey S., Carr L., Castander M.A., Chen F.J., Colestock B., Connolly P.L., Crocker A.J., Csabai J.H., Czarapata I., Davis P.C., Doi J.E., Dombeck M., Eisenstein T., Ellman D., Elms N., Evans B.R., Fan M.L., Federwitz X., Fischelli G.R., Friedman L., Friedman S., Fukugita J.A., Gillespie M., Gunn B., Gurbani J.E., de Haas V.K., Haldeman E., Harris M., Hayes F.H., Heckman J., Hennessy T.M., Hindsley G.S., Holm R.B., Holmgren S., Huang D.J., Hull C., Husby C., Ichikawa D., Ichikawa S., Ivezic T., ; S. Kent, R.S.J. Kim, E. Kinney, M. Klaene, A.N. Kleinman, S. Kleinman, G.R. Knapp, J. Korienek, R.G. Kron, P.Z. Kunszt, D.Q. Lamb, B. Lee, R.F. Leger, S. Limmongkol, C. Lindenmeyer, D.C. Long, C. Loomis, J. Loveday, R. Lucinio, R.H. Lupton, B. MacKinnon, E.J. Mannery, P.M. Mantsch, B. Margon, P. McGehee, T.A. McKay, A. Meiksin, A. Merelli, D.G. Monet, J.A. Munn, V.K. Narayanan, T. Nash, E. Neilsen, R. Neswold, H.J. Newberg, R.C. Nichol, T. Nicinski, M. Nonino, N. Okada, S. Okamura, J.P. Ostriker, R. Owen, A.G. Pauls, J. Peoples, R.L. Peterson, D. Petracick, J.R. Pier, A. Pope, R. Pordes, A. Prosapio, R. Rechenmacher, T.R. Quinn, G.T. Richards, M.W. Richmond, C.H. Rivetta, C.M. Rockosi, K. Ruthmansdorfer, D. Sandford, D.J. Schlegel, D.P. Schneider, M. Sekiguchi, G. Sergey, K. Shimasaku, W.A. Siegmund, S. Smee, J.A. Smith, S. Snedden, R. Stone, C. Stoughton, M.A. Strauss, C. Stubbs, M. SubbaRao, A.S. Szalay, I. Szapudi, G.P. Szokoly, A.R. Thakar, C. Tremonti, D.L. Tucker, A. Uomoto, D. Vanden Berk, M.S. Vogeley, P. Waddell, S. Wang, M. Watanabe, D.H. Weinberg, B. Yanny, and N. Yasuda [2000], "The Sloan Digital Sky Survey: Technical Summary," *Astronomical Journal*, **120**, pp. 1579-1587

P. Young, J.E. Gunn, J.B. Oke, J.A. Westphal, and J. Kristian [1980], "The double quasar Q0957 + 561 A, B - A gravitational lens image formed by a galaxy at Z = 0.39," *Astrophysical Journal*, **241**, pp. 507-520