

# Publication List

Josh Eisner

## Refereed Papers

- “Spatially Resolved Mid-Infrared Imaging of the SR 21 Transition Disk”, J. A. Eisner, J. D. Monnier, P. Tuthill & S. Lacour, 2009, *Astrophysical Journal Letters*, 698, L169
- “Spatially Resolved Spectroscopy of Sub-AU-Sized Regions of T Tauri and Herbig Ae/Be Disks”, J. A. Eisner, J. R. Graham, R. L. Akeson, & J. Najita, 2009, *Astrophysical Journal*, 692, 309
- “High Resolution K-band Spectroscopy of MWC 480 and V1331 Cyg”, J.R. Najita, G.W. Doppman, J.S. Carr, J.R. Graham, & J.A. Eisner, 2009, *Astrophysical Journal*, 691, 738
- “Proplyds and Massive Disks in the Orion Nebula Cluster Imaged with CARMA and SMA”, J. A. Eisner, R. L. Plambeck, John M. Carpenter, S. A. Corder, C. Qi, & D. Wilner, 2008, *Astrophysical Journal*, 683, 304
- “Near-Infrared Interferometric, Spectroscopic, and Photometric Monitoring of T Tauri Inner Disks”, J.A. Eisner, L.A. Hillenbrand, R.J. White, J.S. Bloom, R.L. Akeson, & C.H. Blake, 2007, *Astrophysical Journal*, 669, 1072
- “Interferometric Observations of V1663 Aquilae (Nova Aql 2005)”, B.F. Lane, A. Retter, J.A. Eisner, M.W. Muterspaugh, R.R. Thompson, & J.L. Sokoloski, 2007, *Astrophysical Journal*, 669, 1150
- “Water vapour and hydrogen in the terrestrial-planet-forming region of a protoplanetary disk”, J.A. Eisner, 2007, *Nature*, 447, 562
- “Spectrally Dispersed K-Band Interferometric Observations of Herbig Ae/Be Sources: Inner Disk Temperature Profiles”, J.A. Eisner, E.I. Chiang, B.F. Lane, & R.L. Akeson, 2007, *Astrophysical Journal*, 657, 347
- “Stellar and Molecular Radii of a Mira Star: First Observations with the Keck Interferometer Grism”, J.A. Eisner, J.R. Graham, R.L. Akeson, E.R. Ligon, M.M. Colavita, G. Basri, K. Summers, S. Ragland, & A. Booth, 2007, *Astrophysical Journal Letters*, 654, L77
- “Interferometric Observations of RS Ophiuchi and the Origin of the Near-IR Emission”, B.F. Lane, J.L. Sokoloski, R.K. Barry, W.A. Traub, A. Retter, M.W. Muterspaugh, R.R. Thompson, J.A. Eisner, E. Serabyn, & B. Mennesson, 2007, *Astrophysical Journal*, 658, 520
- “Spatially Resolving the Inner Disk of TW Hya”, J.A. Eisner, E. I. Chiang, & L. A. Hillenbrand, 2006, *Astrophysical Journal Letters*, 637, L133
- “Massive Protoplanetary Disks in the Trapezium Region”, J.A. Eisner & John M. Carpenter, 2006, *Astrophysical Journal*, 641, 1162

- “Constraining the Evolutionary Stage of Class I Protostars: Multi-wavelength Observations and Modeling”, J.A. Eisner, L.A. Hillenbrand, John M. Carpenter, & S. Wolf, 2005, *Astrophysical Journal*, 635, 396
- “Interferometric Observations of V838 Monocerotis”, B.F. Lane, A. Retter, R.R. Thompson, & J.A. Eisner, 2005, *Astrophysical Journal Letters*, 622, L137
- “AB Aurigae Resolved: Evidence for Spiral Structure”, S.A. Corder, J.A. Eisner, & A.I. Sargent, 2005, *Astrophysical Journal Letters*, 622, L133
- “New insights on the AU-scale circumstellar structure of FU Orionis”, F. Malbet, R. Lachaume, J.-P. Berger, M. Colavita, E. Di Folco, J.A. Eisner, B.F. Lane, R. Millan-Gabet, D. Ségransan, & W. Traub, 2005, *Astronomy & Astrophysics*, 437, 627
- “Observations of T Tauri Disks at Sub-AU Radii: Implications for Magnetospheric Accretion and Planet Formation”, J.A. Eisner, L.A. Hillenbrand, R.J. White, R.L. Akeson, & A.I. Sargent, 2005, *Astrophysical Journal*, 623, 952
- “Adaptive Optics Imaging of the AU Microscopii Circumstellar Disk: Evidence for Dynamical Evolution”, S.A. Metchev, J.A. Eisner, L.A. Hillenbrand, & S. Wolf, 2005, *Astrophysical Journal*, 622, 451
- “Observations and modeling of the inner disk region of T Tauri stars”, R.L. Akeson, C.H. Walker, K. Wood, J.A. Eisner, E. Scire, B. Penprase, D.R. Ciardi, G.T. van Belle, B. Whitney, & J.E. Bjorkman, 2005, *Astrophysical Journal*, 622, 440
- “Resolved Inner Disks around Herbig Ae/Be Stars”, J.A. Eisner, B.F. Lane, L.A. Hillenbrand, R.L. Akeson & A.I. Sargent, 2004, *Astrophysical Journal*, 613, 1049
- “Distribution of Circumstellar Disk Masses in the Young Cluster NGC 2024”, J.A. Eisner & John M. Carpenter, 2003, *Astrophysical Journal*, 598, 1341
- “Near-Infrared Interferometric Measurements of Herbig Ae/Be Stars”, J.A. Eisner, B.F. Lane, R.L. Akeson, L.A. Hillenbrand, & A.I. Sargent, 2003, *Astrophysical Journal*, 588, 360
- “Detecting Outer Planets in Edge-On Orbits: Combining Radial Velocity and Astrometric Techniques”, J.A. Eisner & S.R. Kulkarni, 2002, *Astrophysical Journal*, 574, 426
- “Outflow 20-2000 AU from a High-Mass Protostar in W51-IRS2”, J.A. Eisner, L.J. Greenhill, J.R. Herrnstein, J.M. Moran, & K.M. Menten, 2002, *Astrophysical Journal*, 569, 334
- “Sensitivity of the Astrometric Technique in Detecting Outer Planets”, J.A. Eisner & S.R. Kulkarni, 2001, *Astrophysical Journal*, 561, 1107
- “Sensitivity of the Radial Velocity Technique in Detecting Outer Planets”, J.A. Eisner & S.R. Kulkarni, 2001, *Astrophysical Journal*, 550, 871

## Conference Proceedings

- “Interferometric observations of explosive variables: V838 Mon, Nova Aql 2005, and RS Oph”, B.F. Lane, A. Retter, J.A. Eisner, R.R. Thompson, & M.W. Muterspaugh, 2006, *Proc. SPIE*, 6268, 50
- “Interferometric Observations of Nova Aql 2005”, B.F. Lane, A. Retter, J.A. Eisner, R.R. Thompson, & M.W. Muterspaugh, 2005, *Bulletin of the American Astronomical Society*, Vol. 37, No. 4, 104.08
- “Probing Sub-AU Radii of Protoplanetary Disks with NIR Interferometry”, J.A. Eisner, L.A. Hillenbrand, B.F. Lane, R.L. Akeson, R.J. White, & A.I Sargent, 2005, *Proceedings of Protostars and Planets V*, 8051
- “High Angular Resolution Studies of Young Circumstellar Disks”, J.A. Eisner, 2005, *Bulletin of the American Astronomical Society*, Vol. 36, No. 5, 156.05
- “Near-IR Interferometric Observations of Herbig Ae/Be Stars”, J.A. Eisner & B.F. Lane, 2003, *Bulletin of the American Astronomical Society*, Vol. 34, No. 4, 20.09
- “Combining Astrometric and Radial Velocity Techniques for Detecting Outer Planets”, J. A. Eisner & S. R. Kulkarni, 2001, *Bulletin of the American Astronomical Society*, Vol. 33, No. 2, 62.09
- “SiO Masers, Water Masers, and Outflow in the W51-IRS2 star-forming region”, J.A. Eisner, J.R. Herrnstein, L.J. Greenhill, & K. M. Menten, 1998, *Bulletin of the American Astronomical Society*, Vol. 30, No. 4, 71.13