

Publication List

Josh Eisner

Refereed Papers

- “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*, in press.
- “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