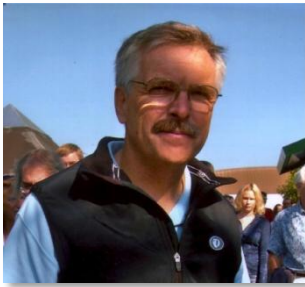


Robert Lucien Mutel

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Professor of Astronomy



Department of Physics and Astronomy
University of Iowa
Iowa City IA 52242

319-335-1950

Robert-Mutel@uiowa.edu

<http://astro.physics.uiowa.edu/~rlm>

• RESEARCH AREAS

- Radio Astronomy, especially VLBI studies of AGN jets and active stars
- Magnetospheric radio emission processes

• EDUCATION

- A.B. Physics, Cornell University 1968
- Ph.D. Astrophysics, University of Colorado 1975

• PROFESSIONAL EMPLOYMENT

- Physicist, U.S. Antarctic Research Program 1968-1970
- Assistant Professor, University of Iowa, 1975-1980
- Associate Professor, University of Iowa, 1980-1986
- Visiting Scholar, Institute for Theoretical Astronomy, University of Cambridge 1984-85
- Visiting Scholar, Bureau des Longitudes, Paris, 1985
- Professor, University of Iowa, 1986-present
- Visiting Astronomer, National Radio Astronomy Observatory 1998

• PROFESSIONAL SERVICE

- Executive Committee, N.A.S.A. Supernova Research 1987
- Director, North Liberty Radio Observatory 1979-1991
- Executive Officer, U.S. Very Long Baseline Interferometry Consortium 1986-1990
- Scientific Advisory Committee, National Radio Astronomy Observatory 1973-present (several 3 year terms)
- Scientific Advisory Committee, Arecibo Observatory, 1993-1996

- Advisory Committee, N.S.F. Undergraduate Curriculum Advisory Board, 1994-1995
- Organizing committee, International Astronomical Union Commission 42 (Binary Stars) 1994-present
- Proposal Referee, National Radio Astronomy Observatory 1999-2001
- Scientific Advisory Committee, ARISE Space-based VLBI mission 1999-present
- NSF Major Research Instrumentation Review Panel 2000-2001
- NSF DUE Review Panel July 2003

• HONORS AND AWARDS

- Antarctic Service Medal of the United States 1972
- Mutel Peak, Ross Peninsula, named in honor of Antarctic service 1973
- University of Iowa Faculty Scholar 1983-1985
- University of Iowa Collegiate Teaching Award 1997
- Iowa Academy of Sciences Distinguished Science Teacher 1997
- University of Iowa President's Award for Technology Innovation 1998
- Honors College Outstanding Service Award 1998
- Phillip Hubbard Award for Outstanding Education October 2004
- NASA Group Achievement Award September 2004

• THESES DIRECTED

- Directed nine Ph.D students since 1978.
- Directed eight M.S. students since 1980.
- Ph.D (P. Kortenkamp, joint with S. Spangler, graduated Aug 2005)
- Ph.D (T. Jaeger), expected 2008.
- Ph.D. (B. Peterson) expected 2009

• PUBLICATIONS

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2. Mutel, R.L., Broderick, J.J., and Warnock, W. 1974, VLB Observations of the Crab Nebula and the Wavelength Dependence of Interstellar Scattering, Astrophysical Journal 193, 279.
3. Mutel, R.L., 1975, Theory and Observations of Interplanetary Turbulence Using Interferometer Visibility Scintillations, Ph.D. Thesis.
4. Fix., J.D. and Mutel, R.L. 1977, OH Observations of Four Bipolar Nebulae,

- Astronomical Journal 19, 37.
5. Mutel, R.L. and Weisberg, J. 1978, Two-Frequency Polarimetry of UX Arietis and HR1099, *Astronomical Journal* 83, 1499.
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 8. Benson, J. and Mutel, R.L. 1979, Multi-baseline VLBI Observations of the 1612 MHz OH Masers Toward NML Cyg and VY CMa, *Astrophysical Journal* 233, 119.
 9. Mutel, R.L. and Edgar, B.K., 1979, A High Declination OH Survey at 1612 MHz, *Astronomical Journal* 91, 422.
 10. Phillips, R. and Mutel, R. 1980, High Resolution Observations of the Compact Radio Sources CTD93 and 3C395 at 1671 MHz, *Astrophysical Journal* 236, 89.
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 12. Fix, J., Mutel, R., Benson, J., and Claussen, M., VLBI Observations of Main Line Emission From U Orionis, *Astrophysical Journal* 241, 95.
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 15. Mutel, R., Aller, H., and Phillips, R. 1981, Milliarcsecond Structure BL Lac During an Outburst, *Astrophysical Journal* 294, 236.
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 18. Unwin, S., Mutel, R., Phillips, R., and Linfield, R. 1982, Multi-frequency. VLBI Observations of the Nucleus of NGC 1275, *Astrophysical Journal* 256, 83.
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 20. Fix, J., Mutel, R., Gaume, R. and Claussen, M. 1982, Radio and Infrared Observations of the OH Maser Source OH351.78-0.54, *Astrophysical Journal* 259, 657.
 21. Kent, S. and Mutel, R. 1982, VLBI Measurements of the Relative Position

- of The 1665 MHz and 1667 MHz OH Masers toward W49N and NGC6334N, *Astrophysical Journal* 264, 145.
22. Spangler, S., Mutel, R. and Benson, J. 1983, VLBI Observations of The Radio Sources 0552+398 and 1848+283: Measurements of the Departure from Equilibrium, *Astrophysical Journal* 271, 44.
 23. Fix, J. and Mutel, R. 1984, Radio and IR Observations of Optically Invisible Type II OH Masers, *Astronomical Journal* 89, 406.
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81. Elias, N.M and Mutel, R.L. 1993, Radio Emission from Active Late-Type Binaries (book chapter), in *The Realm of Interacting Binary Stars*, (ed. J. Sahade et al.) (Kluwer:Netherlands).
82. Fey, A. and Mutel, R.L. 1993, 608 MHz VLBI Observations of the Compact Double Radio Source 2050+365: Constraints on Interstellar Scattering, *Astrophysical Journal* 404, 197.
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