

Bibliography from ADS file: auer.bib

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- Paletou, F., Léger, L., Chane-Yook, M., & Auer, L. H., "Toulouse 2D numerical radiative transfer codes", 2019arXiv190305971P [ADS](#)
- Auer, L. H., "Acceleration of Convergence", in Numerical Radiative Transfer, 101 2009nrt..book..101A [ADS](#)
- Koenigsberger, G., Fullerton, A. W., Massa, D., & Auer, L. H., "FUSE Observations of HD 5980: The Wind Structure of the Eruptor", 2006AJ....132.1527K [ADS](#)
- Williams, J. A., Dickel, H. R., & Auer, L. H., "Erratum: 'W49A North: Global or Local or No Collapse,' (ApJS, 153, 463 [2004])", 2005ApJS..161..183W [ADS](#)
- Williams, J. A., Dickel, H. R., & Auer, L. H., "W49A North: Global or Local or No Collapse?", 2004ApJS..153..463W [ADS](#)
- Koenigsberger, G., Moffat, A. F. J., & Auer, L. H., "Ultraviolet Spectroscopy of the Massive LMC Multiple Systems Sk-67°m#circ;18 (Br 5) and HD 36402 (Br 31)", 2003RMxAA..39..213K [ADS](#)
- Dickel, H. R., Williams, J. A., & Auer, L. H., "W49A North - Global, Local, or no Collapse?", 2003IAUS..221P..32D [ADS](#)
- Auer, L., "Insight into Multi-Dimensional Transfer", 2003ASPC..288..405A [ADS](#)
- Auer, L., "Formal Solution: EXPLICIT Answers", 2003ASPC..288..3A [ADS](#)
- Flores, A., Auer, L. H., Koenigsberger, G., & Cardona, O., "The Wind-Wind Collision Region of the Wolf-Rayet Binary V444 Cygni: How Much Optical Line Emission Does It Produce?", 2001ApJ...563..341F [ADS](#)
- Flores, A., Auer, L. H., Koenigsberger, G., & Cardona, O., "The Wind-Wind Collision Region of the Wolf-Rayet Binary V444 Cyg: How much optical line emission does it produce?", 2001AAS...19915506F [ADS](#)
- Dickel, H. R., Williams, J. A., Upham, D. E., et al., "W 49 A North: J=2-1 Lines of CS and C¹⁸O - Collapse Colliding Clouds, or?", 2000ESASP.445..359D [ADS](#)
- Auer, L. H. & Standish, E. M., "Astronomical Refraction: Computational Method for All Zenith Angles", 2000A&A...361.2472A [ADS](#)
- Olson, G. L., Auer, L. H., & Hall, M. L., "Diffusion, P₋₁, and other approximate forms of radiation transport.", 2000JQSRT..64..6190 [ADS](#)
- Dickel, H. R., Williams, J. A., Upham, D. E., et al., "W49 A north: J = 2-1 lines of CS and C¹⁸O.", 1999BAAS...31.1242D [ADS](#)
- Dickel, H. R., Williams, J. A., Upham, D. E., et al., "W 49 A North: J=2-1 Lines of CS and C(18)O", 1999AAS...19410902D [ADS](#)
- Koenigsberger, G., Auer, L. H., Georgiev, L., & Guinan, E., "Wind Velocity Variations in the Luminous Blue Variable-Type Erupting Star of the Wolf-Rayet Binary HD 5980", 1998ApJ...496..934K [ADS](#)
- Fabiani Bendicho, P., Trujillo Bueno, J., & Auer, L., "Multidimensional radiative transfer with multilevel atoms. II. The non-linear multigrid method.", 1997A&A...324..161F [ADS](#)
- Koenigsberger, G., Shore, S., Guinan, E., & Auer, L., "The erupting Wolf-Rayet binary HD 5980 in the Small Magellanic Cloud: spectral transition from B1.5Ia+ to WN6 and the accompanying light curve.", 1996RMxAC...5..92K [ADS](#)
- Koenigsberger, G., Guinan, E., Auer, L., & Georgiev, L., "Ultraviolet Observations of the Eruption in the Small Magellanic Cloud Wolf-Rayet System HD 5980", 1995ApJ...452L.107K [ADS](#)
- Paletou, F. & Auer, L. H., "A new approximate operator method for partial frequency redistribution problems.", 1995A&A...297..771P [ADS](#)
- Dickel, H. R. & Auer, L. H., "Modeling Radiative Transfer in Molecular Clouds. I. HCO + in the Star-forming Region W49A North", 1994ApJ...437..222D [ADS](#)
- Auer, L. H. & Koenigsberger, G., "Line Profile Variations from Atmospheric Eclipses: Constraints on the Wind Structure in Wolf-Rayet Stars", 1994ApJ...436..859A [ADS](#)
- Auer, L., Bendicho, P. F., & Trujillo Bueno, J., "Multidimensional radiative transfer with multilevel atoms. I. ALI method with preconditioning of the rate equations.", 1994A&A...292..599A [ADS](#)
- Koenigsberger, G., Moffat, A. F. J., St-Louis, N., et al., "Remarkable Long-Term Changes in the Small Magellanic Cloud Wolf-Rayet System HD 5980", 1994ApJ...436..301K [ADS](#)
- Auer, L. H. & Paletou, F., "Two-dimensional radiative transfer with partial frequency redistribution I. General method", 1994A&A...285..675A [ADS](#)
- Trujillo Bueno, J., Fabiani, P., & Auer, L., "Multi-dimensional radiative transfer with multi-level atoms and the diagnostic problem of small-scale structures", 1994smf..conf..328T [ADS](#)
- Dickel, H. R., Auer, L. H., & Wilner, D. J., "Radiative Transfer Modeling of Molecular Clouds: HCO+ in the Star-Forming Region W 49 A North", 1994ASPC..59..253D [ADS](#)
- Paletou, F., Vial, J. C., & Auer, L. H., "Two-dimensional radiative transfer with partial frequency redistribution. II. Application to resonance lines in quiescent prominences", 1993A&A...274..571P [ADS](#)
- Koenigsberger, G., Auer, L. H., Cardona, O., et al., "Is the W-R System HD 5980 in the SMC Undergoing Outburst?", 1993ASPC...35..249K [ADS](#)
- Paletou, F., Vial, J.-C., & Auer, L. H., "Radiative modeling of solar prominences, two-dimensional transfer plus partial frequency redistribution.", 1992ESASP.348..225P [ADS](#)
- Auer, L.: 1992, *Variability of the Discrete Absorption Components in the Wolf-Rayet Star HD 193077*, IUE Proposal ID WROLA 1992iue..prop.4198A [ADS](#)
- Koenigsberger, C. & Auer, L. H., "Intrinsic vs. Binary-Induced Profile Variability: Can we Tell the Difference? (Invited Paper)", 1992ASPC...22..239K [ADS](#)
- Koenigsberger, G., Moffat, A. F. J., & Auer, L. H., "Ultraviolet Variability of the Massive W-R Binary System HDE 311884 = WR 47", 1991ApJ...376..272K [ADS](#)
- Auer, L.: 1991, *The Wind Structure of HD 5980*, IUE Proposal ID WRNLA 1991iue..prop.3923A [ADS](#)
- Koenigsberger, G. & Auer, L. H., "Modelling the Wind Eclipses in WR+O Binaries: the Qualitative Picture", 1991IAUS..143..175K [ADS](#)
- Auer, L., "Acceleration of Convergence", 1991ASIC..341..9A [ADS](#)
- Auer, L. H. & Koenigsberger, G., "A Source of Observational Constraints on the Structure of Wolf-Rayet Winds", 1990ASPC...7..291A [ADS](#)
- Koenigsberger, G., Auer, L. H., & Moffat, A. F. J., "IUE Observations of Wolf-Rayet Binaries in the Galaxy, the LMC and the SMC", 1989RMxAA..18..185K [ADS](#)
- Moffat, A. F. J., Koenigsberger, G., & Auer, L. H., "IUE Observations of Wolf-Rayet Binary Systems in the Small Magellanic Cloud", 1989ApJ...344..734M [ADS](#)
- Auer, L.: 1989, *The Wind Structure of the SMC Wolf-Rayet Star HD 5980*, IUE Proposal ID WRLLA 1989iue..prop.3365A [ADS](#)
- Auer, L. H. & Koenigsberger, G.: 1989, *A source of observational constraints on the structure of Wolf-Rayet winds*, Presented at the Hot Stars Workshop, Boulder, CO, 6-11 Aug. 1989 1989STIN...9015023A [ADS](#)
- Koenigsberger, G., Moffat, A. F. J., & Auer, L. H., "Atmospheric eclipse effects in Wolf-Rayet binaries in the small Magellanic cloud", 1988ESASP.281a.197K [ADS](#)
- Auer, L. H., Colome, C., & Koenigsberger, G., "Observations of galactic WC + O binary systems: HD 97152 and HD 152270", 1988ESASP.281a.193A [ADS](#)
- Auer, L.: 1988, *Wolf-Rayet Stellar Wind Instability: Very Rapid Variability of the Line Spectrum of HD 90657*, IUE Proposal ID WRKLA 1988iue..prop.3044A [ADS](#)
- Auer, L. H. & Dickel, H. R., "Radiative Transfer Through Molecular Clouds: P-Cygni Profiles", 1988inma.conf..165A [ADS](#)
- Auer, L. H. & Dickel, H. R., "Radiative transfer through molecular clouds: P-Cygni profiles.", 1988imgh.conf..165A [ADS](#)
- Kunasz, P. & Auer, L. H., "Short characteristic integration of radiative transfer problems: formal solution in two-dimensional slabs.", 1988JQSRT..39..67K [ADS](#)
- Koenigsberger, G., Moffat, A. F. J., & Auer, L. H., "Atmospheric Eclipses in the SMC Wolf-Rayet Eclipsing Binary HD 5980: The Heavy versus the Light Metal Abundance", 1987ApJ...322L..41K [ADS](#)
- Koenigsberger, G. & Auer, L. H., "Rapid emission-line variations in the UV spectrum of the Wolf-Rayet system HD 90657.", 1987PASP...99.1080K [ADS](#)
- Koenigsberger, G. & Auer, L. H., "Identifying lines in the IUE spectrum of the Wolf-Rayet star HD 193077", 1987RMxAA..14..277K [ADS](#)
- Koenigsberger, G. & Auer, L. H., "UV line profile variations in Wolf-Rayet stars.", 1987RMxAA..14..271K [ADS](#)
- Auer, L. H., "Acceleration of Convergence", in W. Kalkofen (Ed.), Numerical Radiative Transfer, 101 1987nrt..book..101A [ADS](#)
- Olson, G. L., Auer, L. H., & Buchler, J. R., "A rapidly convergent iterative solution of the non-LTE radiation transfer problem.", 1986JQSRT..35..4310 [ADS](#)
- van Altena, W. F., Auer, L. H., Mora, C. L., & Vilkki, E. U., "Trigonometric parallaxes determined with the Yerkes Observatory 40 inch refractor. VI. Measurements made with PDS microdensitometers.", 1986AJ.....91.1451V [ADS](#)
- Malone, R. C., Auer, L. H., Glatzmaier, G. A., Wood, M. C., & Toon, O. B., "Influence of Solar Heating and Precipitation Scavenging on the Simulated Lifetime of Post-Nuclear War Smoke", 1985Sci...230..317M [ADS](#)
- Koenigsberger, G. & Auer, L. H., "IUE observations of phase-dependent variations in WN+O systems.", 1985ApJ...297..255K [ADS](#)
- Auer, L.: 1984, *Phase Dependent Variations in Wolf-Rayet Binaries: Wind Structures*, IUE Proposal ID WRGLA 1984iue..prop.1760A [ADS](#)

- Poland, A. I., Orwig, L. E., Mariska, J. T., Auer, L. H., & Nakatsuka, R., "The energy relation between hard X-ray and O V emission in solar flares", 1984ApJ...280..457P [ADS](#)
- Auer, L. H., "Difference equations and linearization methods for radiative transfer.", in Methods in Radiative Transfer, 237–279 1984mrt..book..237A [ADS](#)
- Poland, A. I., Orwig, L. E., Mariska, J. T., & Auer, L. H., "Relation Between Hard X-ray and OV Energy Emitted During Solar Flares", 1983BAAS...15..713P [ADS](#)
- Sakhibullin, N. A., Auer, L. H., & van der Hucht, K., "The non-LTE analysis of carbon lines in the spectra of hot stars. I. C III λ 4650 and λ 9710 Å triplet lines in the spectra of O stars", 1982SvA....26..563S [ADS](#)
- Sakhibullin, N. A., Auer, L. H., & van der Hucht, K., "The non-LTE analysis of carbon lines in the spectra of hot stars. I - C III lambda 4650 and lambda 9710 A triplet lines in the spectra of O stars", 1982Azh....59..933S [ADS](#)
- Auer, L. H. & Koenigsberger, G., "IUE Observations of Phase-Dependent Spectral Variations in WR Binaries", 1982BAAS...14..634A [ADS](#)
- London, R., McCray, R., & Auer, L. H., "The structure of X-ray illuminated stellar atmospheres", 1981ApJ...243..970L [ADS](#)
- Auer, L.: 1981, Wind-Wind Interactions in Wolf-Rayet Binaries, IUE Proposal ID WRDLA 1981iue.prop.721A [ADS](#)
- Owocki, S. P. & Auer, L. H., "Two-dimensional radiative transfer. II. The wings of Ca K and Mg k", 1980ApJ...241..4480 [ADS](#)
- Auer, L. H., Rees, D. E., & Stenflo, J. O., "Resonance-Line Polarization - Part Six - Line Wing Transfer Calculations Including Excited State Interference", 1980A&A...88..302A [ADS](#)
- Wesemael, F., Auer, L. H., van Horn, H. M., & Savedoff, M. P., "Atmospheres for hot, high-gravity stars. I. Pure hydrogen models.", 1980ApJS...43..159W [ADS](#)
- Smith, D. F. & Auer, L. H., "Thermal models for solar hard X-ray bursts", 1980ApJ...238.1126S [ADS](#)
- London, R., McCray, R., & Auer, L. H., "The Structure of X-ray Illuminated Stellar Atmospheres", 1980BAAS...12..520L [ADS](#)
- Shipman, H. L. & Auer, L. H., "A non-LTE treatment of beryllium lines: misidentification of the solar Be I feature at 2650 Å", 1979AJ....84.1756S [ADS](#)
- Auer, L. H. & van Altena, W. F., "Erratum: "digital Image Centering. 11" [ASTRON. J. 83, 531 (1978)J]", 1978AJ....83.1468A [ADS](#)
- Wesemael, F., Auer, L. H., van Horn, H. M., & Savedoff, M. P., "Hot, High-Gravity, Pure Hydrogen Model Stellar Atmospheres", 1978BAAS...10..682W [ADS](#)
- Savedoff, M. P., Wesemael, F., Auer, L. H., Kerridge, S. J., & van Horn, H. M., "The Far-Ultraviolet Spectrum of Sirius B", 1978BAAS...10..642S [ADS](#)
- Savedoff, M. P., Wesemael, F., Auer, L. H., Kerridge, S. J., & van Horn, H. M., "The far-ultraviolet spectrum of Sirius B", 1978BAAS...10..637S [ADS](#)
- Auer, L. H., Auer, K., Hoffleit, E. D., & van Altena, W. F., "Trigonometric parallaxes for southern hemisphere stars.", 1978AJ....83..640A [ADS](#)
- Auer, L. H. & van Altena, W. F., "Digital image centering. II", 1978AJ....83..531A [ADS](#)
- Mihalas, D., Auer, L. H., & Mihalas, B. R., "Two-dimensional radiative transfer. I. Planar geometry", 1978ApJ...220.1001M [ADS](#)
- Auer, L. H. & Heasley, J. N., "The origin of the broad-band circular polarization in sunspots.", 1978A&A...64..67A [ADS](#)
- Auer, L. H., Heasley, J. N., & House, L. L., "The determination of vector magnetic fields from Stokes profiles.", 1977SoPh...55..47A [ADS](#)
- Auer, L. H. & Demarque, P., "Effects of CNO abundances on the Balmer jump of late-B horizontal-branch stars.", 1977ApJ...216..791A [ADS](#)
- Auer, L. H., Heasley, J. N., & House, L. L., "Non-LTE line formation in the presence of magnetic fields.", 1977ApJ...216..531A [ADS](#)
- Auer, L. H. & Shipman, H. L., "A self-consistent model-atmosphere analysis of the EUV white dwarf HZ 43.", 1977ApJ...211L.103A [ADS](#)
- Auer, L. H. & Demarque, P., "Possible Large Carbon and Nitrogen Abundance Variations on the Horizontal Branch of M92", 1977ASSL...67..25A [ADS](#)
- Auer, L., "An Hermitian method for the solution of radiative transfer problems.", 1976JQSRT..16..931A [ADS](#)
- Savedoff, M. P., van Horn, H. M., Wesemael, F., et al., "The far-ultraviolet spectrum of Sirius B from Copernicus.", 1976ApJ...207L..45S [ADS](#)
- Auer, L. H. & Heasley, J. N., "An alternative formulation of the complete linearization method for the solution of non-LTE transfer problems.", 1976ApJ...205..165A [ADS](#)
- Auer, L. H. & Shipman, H. L., "An Analysis of the Extreme Ultraviolet Source HZ 43 Using Helium-Poor Model Atmospheres", 1976BAAS....8..315A [ADS](#)
- van Blerkom, D. & Auer, L., "The geometry of YY Canis Majoris derived from SiO maser lines.", 1976ApJ...204..775V [ADS](#)
- van Altena, W. F. & Auer, L. H., "Digital Image Centering, I", 1975ASSL...54..411V [ADS](#)
- Savedoff, M. P., van Horn, H. M., Wesemael, F., et al., "The Far Ultraviolet Spectrum of Sirius B from Copernicus", 1975BAAS....7R.552S [ADS](#)
- Auer, L. H. & van Altena, W. F., "Digital Image Centering.", 1975BAAS....7..443A [ADS](#)
- Auer, L. & Newell, E. B., "Stellar Atmospheres - the Middle Man", 1975mpth.conf....1A [ADS](#)
- Auer, L. H., Heasley, J. N., & House, L. L., "Non-LTE Line Formation in the Presence of a Magnetic Field", 1975BAAS....7..349A [ADS](#)
- Mihalas, D., Heasley, J. N., & Auer, L. H.: 1975, A non-LTE model stellar atmosphere computer program 1975STIN...7630128M [ADS](#)
- Auer, L. H. & Norris, J., "Neutral Helium Line Strengths. VI. the Population II B Star Barnard 29 IN M13", 1974ApJ...194..87A [ADS](#)
- Auer, L. H. & Mihalas, D., "Analyses of light-ion spectra in stellar atmospheres. V. Neon I in B stars.", 1973ApJ...184..151A [ADS](#)
- Auer, L. H. & Mihalas, D., "Analyses of Light Ion Spectra in Stellar Atmospheres. IV. H II in the B Stars", 1973ApJS...25..433A [ADS](#)
- Auer, L., "Application of the Complete-Linearization Method to the Problem of Non-Lte Line Formation", 1973ApJ...180..469A [ADS](#)
- van Blerkom, D., Castor, J. I., & Auer, L. H., "H Fluorescence in the Filaments of M82", 1973ApJ...179..85V [ADS](#)
- Auer, L. H. & van Blerkom, D., "Electron Scattering in Spherically Expanding Envelopes", 1972ApJ...178..175A [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-Lte Model Atmospheres. VII. The Hydrogen and Helium Spectra of the O Stars", 1972ApJS...24..193A [ADS](#)
- Auer, L. H., Heasley, J. N., & Milkey, R. W., "A computational program for the solution of non-LTE transfer problems by the complete linearization method", 1972CoKit.555.....A [ADS](#)
- Auer, L. H., "The stellar atmospheres problem.", 1971JQSRT..11..573A [ADS](#)
- Mihalas, D. & Auer, L. H., "Non-Lte Model Atmospheres.VI. Limb Darkening and Rotation Broadening of H&alpha", 1970ApJ...161.1129M [ADS](#)
- Mihalas, D. & Auer, L. H., "Non-Lte Model Atmospheres. V. Multi-Line Hydrogen-Helium Models for O and Early B Stars", 1970ApJ...160..1161M [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-Lte Model Atmospheres.IV. Results for Multi-Line Computations", 1970ApJ...160..233A [ADS](#)
- Auer, L. H. & Mihalas, D., "On the use of variable Eddington factors in non-LTE stellar atmospheres computations", 1970MNRAS.149..65A [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-Lte Model Atmospheres. III. a Complete-Linearization Method", 1969ApJ...158..641A [ADS](#)
- Auer, L. H. & Mihalas, D., "Brackett-Alpha Emission in Non-Lte Model Stellar Atmospheres", 1969ApJ...156L.151A [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-Lte Model Atmospheres. II. Effects of Balmer alpha", 1969ApJ...156..681A [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-Lte Model Atmospheres. I. Radiative Equilibrium Models with - Alpha", 1969ApJ...156..157A [ADS](#)
- Auer, L. H. & Mihalas, D., "Non-LTE Model Atmospheres", 1969tons.conf..229A [ADS](#)
- Auer, L. H. & van Blerkom, D., "Formation of the Solar Lyman Continuum (Discussion includes R. N. Thomas on non-LTE solar models)", 1969tons.conf..201A [ADS](#)
- Auer, L. H. & Mihalas, D., "Line Formation with Non-Coherent Scattering by Electrons. II. Calculations with Model Atmospheres", 1968ApJ...153..923A [ADS](#)
- Auer, L. H., "Transfer of Lyman Alpha in Diffuse Nebulae", 1968ApJ...153..783A [ADS](#)
- Auer, L. H. & Mihalas, D., "Line Formation with Non-Coherent Scattering by Electrons. I. Parameterized Models", 1968ApJ...153..245A [ADS](#)
- Auer, L. H. & Mihalas, D., "Solution of Transfer Equations Subject to the Constraint of Radiative Equilibrium", 1968ApJ...151..311A [ADS](#)
- Auer, L., "Improved Boundary Conditions for the Feautrier Method", 1967ApJ...150L..53A [ADS](#)
- Auer, L. H., Mihalas, D., Aller, L. H., & Ross, J. E., "Fine Analysis of the Manganese Star 53 Tauri", 1967mrs..conf..433A [ADS](#)
- Auer, L. H.: 1967, "Transfer of Lyman-Alpha in Diffuse Nebulae.", Ph.D. thesis, Princeton University, New Jersey 1967PhDT.....2A [ADS](#)
- Auer, L. H., Mihalas, D., Aller, L. H., & Ross, J. E., "The Manganese Star 53 Tauri. II. Fine Analysis", 1966ApJ...145..153A [ADS](#)
- Auer, L. H. & Woolf, N. J., "Mass Loss and the Formation of White-Dwarf Stars.", 1965ApJ...142..182A [ADS](#)
- Auer, L. H., "A Coarse Analysis of the Atmosphere of 10 Aquilae.", 1964ApJ...139.1148A [ADS](#)