

## Bibliography from ADS file: neckel.bib

September 14, 2022

- Neckel, H., "Analytical Reference Functions  $F(\lambda)$  for the Sun's Limb Darkening and Its Absolute Continuum Intensities ( $\lambda\lambda 300$  to  $1100$  nm)", 2005SoPh..229...13N [ADS](#)
- Neckel, H., "On the sun's absolute disk-center and mean disk intensities, its limb darkening, and its 'limb temperature' ( $\lambda\lambda 330$  to  $1099$  nm)", 2003SoPh..212..239N [ADS](#)
- Neckel, H., "Solar Photosphere: Center-to-limb Variation", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2012 2001eeaa..bookE2012N [ADS](#)
- Neckel, H., "Alfred Bohrmann (28. Februar 1904 - 4. Januar 2000).", 2000MitAG..83...5N [ADS](#)
- Neckel, H., "Announcement", 1999SoPh..184..421N [ADS](#)
- Neckel, H., "On the Wavelength Dependency (and its Variations) of the Ratio Disk-Averaged to Disk-Center Intensity,  $F/I_0$  ( $\lambda\lambda 0.385$  to  $10$  textmm)", 1997SoPh..171..257N [ADS](#)
- Greve, A. & Neckel, H., "On the consistency of solar limb darkening observations at UV wavelengths (2000-3300A)", 1996A&AS..120...35G [ADS](#)
- Neckel, H., "On the wavelength dependency of solar limb darkening ( $\lambda\lambda 303$  to  $1099$  nm)", 1996SoPh..167...9N [ADS](#)
- Fernley, J., Neckel, H., Solano, E., & Wamsteker, W., "A study of solar analogues in the ultraviolet.", 1996A&A...311..245F [ADS](#)
- Wittmann, A. D. & Neckel, H., "On the Relation between the Sun's (Geocentric) Angular Diameter and the Observed (Topocentric) 'Drift Time'", 1996SoPh..163...1W [ADS](#)
- Neckel, H., "The Solar Radius Derived from Limb-Darkening Scans Obtained in 1981 and from 1986 to 1990", 1995SoPh..156...7N [ADS](#)
- Neckel, H. & Labs, D., "Solar Limb Darkening 1986-1990 Lambda 303-NANOMETERS to 1099-NANOMETERS", 1994SoPh..153...91N [ADS](#)
- Neckel, H., "Solar Absolute Reference Spectrum", 1994svsp.coll...37N [ADS](#)
- Neckel, H. & Labs, D., "Variations of 'wavelengths' and 'bisector indices' of 70 solar spectral lines between 3300 and 3960 Å in Kitt Peak FTS spectra", 1990SoPh..126..207N [ADS](#)
- Neckel, H. & Labs, D., "The role of telescopic stray light in limb-darkening scans obtained in April 1981 (and later)", 1990SoPh..126...47N [ADS](#)
- Neckel, H., "Pennäler-Astronomie in verrückter Zeit", 1989S&W...28..296N [ADS](#)
- Neckel, H. & Labs, D., "Multiplier hysteresis and image motion errors in limb darkening scans obtained in April 1981 (and later)", 1989SoPh..120..205N [ADS](#)
- McIntosh, P., Snodgrass, H., Mouradian, Z., et al., "SYSTEMATIC OBSERVATIONS OF THE SUN (In honour of Helen Dodson Prince): Observations", 1989HiA....8..672M [ADS](#)
- Neckel, H. & Labs, D., "Asymmetry and Variations of Solar Limb Darkening", 1988srov.proc..201N [ADS](#)
- Labs, D., Neckel, H., Simon, P. C., & Thuillier, G., "Ultraviolet Solar Irradiance Measurement from 200-NM to 358-NM during SPACELAB-1 Mission", 1987SoPh..107..203L [ADS](#)
- Neckel, H., "Erratum - the Bright Stars with Ubv-Colors Close to those of the Sun", 1987A&A...176..372N [ADS](#)
- Neckel, H. & Labs, D., "Asymmetry and variations of solar limb darkening along the diameter defined by diurnal motion in April 1981", 1987SoPh..110..139N [ADS](#)
- Labs, D., Neckel, H., Simon, P. C., & Thuillier, G.: 1987, Ultraviolet solar irradiance measurement from 200 to 358 NM during Spacelab 1 mission 1987STIN...8725262L [ADS](#)
- Neckel, H., "The 'bright stars' with UBV-colors close to those of the Sun.", 1986A&A...169..194N [ADS](#)
- Neckel, H., "Absolute magnitudes and luminosity-related physical parameters of the 'solar analog' - candidates 16 CYG A and B.", 1986A&A...167...97N [ADS](#)
- Neckel, H., "The absolute energy distributions of the sun, of the 'solar analogs' 16 CYG B, Hyades VB 64, 16 CYG A and of the standard stars alpha LYR and 29 Psc.", 1986A&A...159..175N [ADS](#)
- Neckel, H., "On the absolute energy distributions of the sun, of the 'solar analogs' 16 Cyg B, 16 Cyg A, VB 64 and of Vega.", 1986HiA....7..863N [ADS](#)
- Neckel, H. & Labs, D., "Solar line blocking for disk-center and disk-averaged radiation from 3300 to 6860 Å", 1985SoPh..95..229N [ADS](#)
- Neckel, H., "On the absolute energy distributions of the Sun, of the 'solar analogs' 16 Cyg B, Hyades VB 64, 16 Cyg A, and of the standard stars α Lyr and 29 Psc.", 1985SSNew...7...4N [ADS](#)
- Neckel, H. & Labs, D., "High-precision solar radiation data for  $\lambda\lambda 3300$  -  $12500$  Å", 1985IAUS..111..473N [ADS](#)
- Neckel, H., "Recent improvements of the basic solar radiation data for  $\lambda\lambda 3300$  -  $12500$  Å", 1984SSRv...38..187N [ADS](#)
- Thuillier, G., Goutail, J. P., Simon, P. C., et al., "Measurement of the Solar Spectral Irradiance from 200 to 3000 Nanometers", 1984Sci...225..182T [ADS](#)
- Neckel, H. & Labs, D., "The solar radiation between 3300 and 12500 Å", 1984SoPh..90..205N [ADS](#)
- Neckel, H. & Labs, D., "Erratum - the Solar Radiation Between 3300 and 12500 Å", 1984SoPh..92..391N [ADS](#)
- Neckel, H., "Sonnenbeobachtungen vom Raumlabor 'Spacelab' aus.", 1983wuh..conf...27N [ADS](#)
- Thuillier, G., Simon, P. C., Labs, D., Pastiels, R., & Neckel, H., "An instrument to measure the solar spectrum from 170 to 3200 nm on board Spacelab.", 1981SoPh..74..531T [ADS](#)
- Thuillier, G., Simon, P. C., Pastiels, R., Labs, D., & Neckel, H., "An instrument to measure the solar spectrum from 170 to 3200 NM on board Spacelab", 1981NASC2191..165T [ADS](#)
- Neckel, H. & Labs, D., "Improved Data of Solar Spectral Irradiance from 0.33-MICRONS to 1.25-MICRONS", 1981SoPh..74..231N [ADS](#)
- Thuillier, G., Simon, P. C., Labs, D., Pastiels, R., & Neckel, H., "An Instrument to Measure the Solar Spectrum from 170 TO 3200 NM on Board Spacelab", 1981sucl.conf..421T [ADS](#)
- Neckel, H., "The distribution of masses, ages and luminosities of population I field giants.", 1975A&A...42..379N [ADS](#)
- Neckel, H., "Precision and Consistency of Current Solar Radiation Data", 1975scea.conf..317N [ADS](#)
- Neckel, H., "Absolute Helligkeiten und Massen der Sterne des Feldriesenastes", 1975MitAG..36..166N [ADS](#)
- Neckel, H., "Helligkeiten und Farben von 1030 frühen M-Sternen in der nördlichen Milchstraße", 1975MitAG..36..160N [ADS](#)
- Neckel, H., "On a possible generalization of the Wilson-Bappu effect.", 1974A&A...35...99N [ADS](#)
- Neckel, H., "Photoelectric catalogue of 1030 BD M-type stars located along the galactic equator.", 1974A&AS..18..169N [ADS](#)
- Neckel, H. & Labs, D., "Proposal for a consistent system of the basic solar radiation data", 1973srmi.symp..326N [ADS](#)
- Labs, D. & Neckel, H., "Intensity of the center of the solar disk in the spectral region 0.33 to 1.25 micron measured from high mountain station", 1973srmi.symp..269L [ADS](#)
- Neckel, H. & Labs, D., "Absolute Solar Intensities and the Solar Constant", 1973IAUS...54..149N [ADS](#)
- Neckel, H. & Klawitter, P., "Absolute Magnitudes and Colours of Field Giant Branch Stars", 1973IAUS...54..57N [ADS](#)
- Labs, D. & Neckel, H., "Remarks on the Convergency of Photospheric Model Conceptions and the Solar Quasi Continuum", 1972SoPh..22..64L [ADS](#)
- Labs, D. & Neckel, H., "The Solar Constant (A Compilation of Recent Measurements)", 1971SoPh..19..3L [ADS](#)
- Labs, D. & Neckel, H., "Transformation of the absolute solar radiation into the 'International Practical Temperature Scale of 1968'", 1970SoPh..15..79L [ADS](#)
- Labs, D. & Neckel, H., "The Radiation of the Solar Photosphere from 2000 Å to 100 μm", 1968ZA.....69..1L [ADS](#)
- Neckel, H., "The use of early M-type stars for determining interstellar absorption", 1967lts..conf..447N [ADS](#)
- Labs, D. & Neckel, H., "Die absolute Strahlungsintensität der Mitte der Sonnenscheibe im Spektralbereich  $3288 \leq \lambda \leq 12480$  Å", 1967ZA.....65..133L [ADS](#)
- Neckel, H., "Die optische Dicke der galaktischen Absorptionsschicht bei Berücksichtigung der Helligkeitsverteilung in den Galaxien. Mit 1 Textabbildung", 1965ZA.....62..180N [ADS](#)
- Labs, A. D. & Neckel, H., "Absolute Intensities of the Center of the Solar Disk in the Spectral Range from 6389 TO 12480.", 1963ApJ...138..296L [ADS](#)
- Labs, D. & Neckel, H., "Die absolute Strahlungsintensität der Mitte der Sonnenscheibe im Spektralbereich  $6389 \geq \lambda \geq 12480$  Å. Mit 3 Textabbildungen", 1963ZA.....57..283L [ADS](#)
- Labs, D. & Neckel, H., "Absolute Intensities in the Visible Part of the Solar Spectrum.", 1962ApJ...135..969L [ADS](#)
- Labs, D. & Neckel, H., "Die absolute Strahlungsintensität der Sonnenmitte im Spektralbereich  $4010 \leq \lambda \leq 6569$  Å. Mit 11 Textabbildungen", 1962ZA.....55..269L [ADS](#)
- Neckel, H., "Lichtelektrische Infrarot-Farbenindizes Roter Sterne. Mit 4 Textabbildungen", 1962ZA.....55..166N [ADS](#)
- Konig, A., Richter, G., Neckel, H., & Wenzel, W., "Approximate Positions of Minor Planets Observed at Heidelberg", 1958MPC...1825..1K [ADS](#)
- Neckel, H., "The Distribution of the BD M-Type Stars Along the Galactic Equator.", 1958ApJ...128..510N [ADS](#)
- Neckel, H., "Die Randverdunklung der Sonne bei 4674 Å und die Temperaturverteilung in den äußersten Photosphärenschichten. Mit 4 Textabbildungen.", 1958ZA.....44..153N [ADS](#)

Neckel, H., "Die Temperaturverteilung der Sonnenphotosphäre aus Restintensitäten von Fraunhoferlinien. Mit 2 Textabbildungen", 1958ZA.....44..100N [ADS](#)

Neckel, H., "A Photographic Observation of the Satellite 1957 Beta leaving the Earth's Shadow", 1958Natur.181..257N [ADS](#)

Neckel, H.: 1956, "Die vertikale Temperaturverteilung in den äußeren Photosphärenschichten der SonneDie vertikale Temperaturverteilung in den äußeren Photosphärenschichten der SonneThe vertical temperature distribution in the outer photosphere layers of the sun;" „Ph.D. thesis. Ruprecht-Karls University of Heidelberg, Germany 1956PhDT.....15N [ADS](#)