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- Gurtovenko, E. A. & Sheminova, V. A., "Formation depths of Fraunhofer lines", 2015arXiv150500975G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "Formation depth of Fraunhofer lines", 1997MAO...1P...3G [ADS](#)
- Burlov-Vasil'Ev, K. A., Vasil'Eva, I. E., Gurtovenko, E. A., & Matveev, Y. B., "A Big Horizontal Solar Telescope of the Main Astronomical Observatory of the Ukrainian National Academy of Sciences in the caucasus", 1996R&QE...39..887B [ADS](#)
- Burlov-Vasiljev, K. A., Gurtovenko, E. A., & Matvejev, Y. B., "New absolute measurements of the solar spectrum 310 685 nm", 1995SoPh..157...51B [ADS](#)
- Gurtovenko, E. A., Kesel'Man, I. G., Kostyk, R. I., et al., "Photometer "dilos" for the study of solar brightness variations", 1994SoPh..152...43G [ADS](#)
- Burlov-Vasiljev, K. A., Gurtovenko, E. A., & Matvejev, Y. B., "The Solar Radiation Between 310-680 nm", 1992sers.conf...49B [ADS](#)
- Gurtovenko, E. A., Sheminova, V. A., & Sarychev, A. P., "What is the difference between 'emission' and 'depression' contribution functions?", 1991SoPh..136..239G [ADS](#)
- Gurtovenko, E. A., Telnyuk-Adamchuk, V. V., Okulov, S. M., Buzdugan, J. P., & Olijnyk, P. O., "Observation of Solar Eclipse in Mexico 1991JUL11 for Solar Diameter Determination", 1991ATsir1550...29G [ADS](#)
- Burlov-Vasil'Ev, K. A., Gurtovenko, E. A., Matveev, I. B., & Troian, V. I., "Absolute spectrophotometry of the Sun. I. The formulation of the problem and method of solution.", 1990KFNT....6...33B [ADS](#)
- Gurtovenko, E. A., Kostik, R. I., & Rutten, R. J., "New solar oscillator strengths from Kiev", 1990asos.conf...92G [ADS](#)
- Gurtovenko, E. A., Kostik, R. I., & Rutten, R. J., "Solar Oscillator Strengths as a Diagnostic Tool", 1990IAUS..138...35G [ADS](#)
- Gurtovenko, E. A. & Kostyk, R. I., "Fraunhofer spectrum and a system of solar oscillator strengths", 1989KiIND.....G [ADS](#)
- Gurtovenko, E. A. & Sarychev, A. P., "Solution of the Transfer Equation for Absorption and the Depth of Formation of Fraunhofer Lines", 1988SvA...32..337G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "On the possibility to improve the homogeneous photospheric model of the Sun.", 1988KFNT....4...18G [ADS](#)
- Gurtovenko, E. A. & Sarychev, A. P., "The solution of the transfer equation for absorption and the depth of Fraunhofer-line formation", 1988AZh....65..653G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "Crossing Method for Studying the Turbulence in Solar and Stellar Atmospheres - Part One - Application to the Sun", 1986SoPh..106..237G [ADS](#)
- Burlov-Vasilev, K. A., Gurtovenko, E. A., & Troian, V. I., "Integral spectrum of the sun as a star in UV (0.1 - 0.32 μm) and IR (1 - 50 μm) regions.", 1986KFNT....2...3B [ADS](#)
- Rostas, F., Gurtovenko, E. A., & Kostik, R. I., "Book-Review - Spectral Line Shapes", 1986SSRv...44..177R [ADS](#)
- Gurtovenko, E. A., Kostik, R. I., Tlamicha, A., et al., "Book reviews", 1986SSRv...44..177G [ADS](#)
- Gurtovenko, E. A. & Osipov, S. N., "Scattered light in a spectrograph and its effect on the measured darkening to the solar limb.", 1986KFNT....2...59G [ADS](#)
- Gurtovenko, E. A., Kostyk, R. I., & Orlova, T. V., "The establishment of internally consistent solar scales of oscillator strengths and abundances of chemical elements. Zirconium.", 1986KFNT....2...20G [ADS](#)
- Gurtovenko, É. A. & Sheminova, V. A., "On the difference in the depths of formation of the centers of weak Fraunhofer lines and the far wings of strong ones", 1985SvA...29..578G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "On the difference in the depths of formation of the centers of weak Fraunhofer lines and the far wings of strong ones", 1985AZh....62..988G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "On the Difference in the Depths of Formation of the Centers of Weak Fraunhofer Lines and the Far Wings of Strong Ones", 1985SvA...29..572G [ADS](#)
- Gurtovenko, E. A., Kostyk, R. I., & Orlova, T. V., "Oscillator strengths for the lines of the iron group elements.", 1985KFNT....1...3G [ADS](#)
- Gurtovenko, E. A., Kostyk, R. I., & Orlova, T. V., "On the establishment of internally consistent solar scales of oscillator strengths and abundances of chemical elements. VI. Neutral vanadium.", 1985KFNT....1...62G [ADS](#)
- Gurtovenko, E. A., Sheminova, V. A., & Rutten, R. J., "Velocity Field in the Region of the Temperature Minimum of the Solar Atmosphere - Preliminary Results of a Determination of the Amplitude of the General Velocity Field", 1985SvA...29..72G [ADS](#)
- Gurtovenko, E. A., Kostyk, P. I., & Orlova, T. V., "Establishment of internally consistent solar scales of oscillator strengths and abundances of chemical elements. V Scandium.", 1985KFNT....1...75G [ADS](#)
- Gurtovenko, E. A., Sheminova, V. A., & Rutten, R. J., "Velocity field in the region of the temperature minimum of the solar atmosphere - Preliminary results of a determination of the amplitude of the general velocity field", 1985AZh....62..124G [ADS](#)
- Gurtovenko, E. A., Kostik, R. I., & Orlova, T. V., "On the Establishment of Internally Consistent Solar Scales of Oscillator Strengths and Abundances of Chemical Elements - Part Seven - Mn", 1984BSolD...9...85G [ADS](#)
- Gurtovenko, E. A. & Sheminova, V. A., "Depth of Formation of Fraunhofer Lines", 1983SvA...27..568G [ADS](#)
- Gurtovenko, É. A. & Sheminova, V. A., "Depth of formation of Fraunhofer lines", 1983AZh....60..982G [ADS](#)
- Gurtovenko, E. A., Kostyk, R. I., & Orlova, T. V., "Construction of Internally Consistent Scales of Solar Oscillator Strengths and Contents of Chemical Elements - Determination of CO I oscillator strengths from the Equivalent Widths of Fraunhofer Lines with Allowance for Their Hyperfine Structure", 1983SvA...27..439G [ADS](#)
- Gurtovenko, E. A., Kostik, R. I., & Orlova, T. V., "Construction of internally consistent scales of solar oscillator strengths and contents of chemical elements Determination of CO I oscillator strengths from the equivalent widths of Fraunhofer lines with allowance for their hyperfine structure", 1983AZh....60..758G [ADS](#)
- Gurtovenko, E. A., "Solar physics at the Main Astronomical Observatory of the Ukrainian Academy of Sciences", 1982SoPh...80..317G [ADS](#)
- Gurtovenko, E. A., Fedorchenko, G. L., & Kondrashova, N. N., "The Empirical Determination of Damping Constants in the Solar Photosphere - Part Two - Results Inferred from the Wings of FeI Lines", 1982SoPh...77..291G [ADS](#)
- Gurtovenko, E. A. & Kostik, R. I., "On the establishment of internally consistent solar scales of oscillator strengths and abundances of chemical elements. III - Oscillator strengths obtained from equivalent widths of 360 FeI lines", 1982A&S...47..193G [ADS](#)
- Gurtovenko, E. A., "Some Photospheric Characteristics of the Sun as a Star", 1982ASSL...96..99G [ADS](#)
- Gurtovenko, E. A. & Kostik, R. I., "On the establishment of internally consistent solar scales of oscillator strengths and abundances of chemical elements. I. Oscillator strengths for 865 FeI lines iron abundance.", 1981A&S...46..239G [ADS](#)
- Gurtovenko, E. A. & Kostik, R. I., "On the establishment of Internally Consistent Solar Scales of Oscillator Strengths and Abundances of Chemical Elements - Part Two - on the Errors of the Oscillator Strengths of FeI Lines in the Kurucz", 1981A&A...101..132G [ADS](#)
- Gurtovenko, E. A., Fedorchenko, G. L., & Sheminova, V. A., "The abundance of titanium in the solar photosphere", 1981AAfz...43..59G [ADS](#)
- Gurtovenko, E. A. & Kondrashova, N. N., "The Empirical Determination of Damping Constants in the Solar Photosphere - Part One - Preliminary Results for FeI Lines", 1980SoPh...68..17G [ADS](#)
- Gurtovenko, E. A. & Kostik, R. I., "On the Establishment of Internally Consistent Abundance-Oscillator Strength Scales", in D. F. Gray and J. L. Linsky (Eds.), IAU Colloq. 51: Stellar Turbulence, Vol. 114, 296 1980LNP...114..296G [ADS](#)
- Gurtovenko, E. A., "Solar Spectrographs", 1980IGAFS..52..96G [ADS](#)
- Kondrashova, N. N. & Gurtovenko, E. A., "Determination of the damping constant from wings of strong Fraunhofer lines of the Liege solar spectrum atlas", 1980AAfz...42..14K [ADS](#)
- Gurtovenko, E. A., "High-resolution solar spectroscopy with double-pass monochromators", 1980AAfz...41..15G [ADS](#)
- Gurtovenko, E. A. & Kostyk, R. I., "Double-diffraction monochromator of the Kiev-Golossevo Observatory with a digital system for automation of observations and solar-spectrum processing", 1979AAfz...39..88G [ADS](#)
- Gurtovenko, E. A., "A complex study of the microturbulent velocity and damping constant in the solar photosphere. V - Preliminary results of a determination of the damping constant for Fe I lines", 1979AAfz...39..37G [ADS](#)
- Gurtovenko, E. A. & Bondarenko, N. F., "A complex study of the microturbulent velocity and damping constant in the solar photosphere. IV - an error study of the method of damping constant determination", 1979AAfz...39..31G [ADS](#)
- Sheminova, V. A. & Gurtovenko, E. A., "Combined study of the 'microturbulent' velocity and damping parameter in the solar photosphere. III - Determination of 'microturbulent' velocity from equivalent widths of Fe I lines", 1979AAfz...38..29S [ADS](#)
- Gurtovenko, E. A., Fedorchenko, G. L., & Sheminova, V. A., "Complex investigation of the 'microturbulent' velocity and attenuation constant in the solar photosphere. II - Determination of the abundance of iron from weak Fraunhofer lines of Fe I", 1979AAfz...37..22G [ADS](#)
- Gurtovenko, E. A., "Complex investigation of the 'microturbulent' velocity and damping constant in the solar photosphere. I - Introductory review", 1979AAfz...37..12G [ADS](#)

- Gurtovenko, E. A. & Ratnikova-Sheminova, V. A., "Comparison of Effective Depths of Fraunhofer Line Formation Calculated by Various Methods", 1978SoPh...58..241G [ADS](#)
- Sheminova, V. A. & Gurtovenko, E. A., "The effective depths of formation of weak Fraunhofer lines. I.", 1978AAfz...36...21S [ADS](#)
- Gurtovenko, E. A. & Ratnikova, V. A., "Comparison of the profiles of weak Fraunhofer lines with the profile of the absorption coefficient.", 1977AAfz...32...3G [ADS](#)
- Gurtovenko, E. A., "Study of amplitude of photospheric velocity field based on weak Fraunhofer lines of metals", 1976SvA....19..488G [ADS](#)
- Gurtovenko, E. A., de Jager, C., Lindenbergh, A., & Rutten, R. J., "Non-thermal broadening of weak lines", 1976pmas.conf..331G [ADS](#)
- Gurtovenko, E. A. & Ratnikova, V. A., "Study of microturbulence from equivalent widths of moderate and moderately strong Fe I lines.", 1976AAfz...30...14G [ADS](#)
- Gurtovenko, E. A., "The general photospheric velocity field.", 1976AAfz...28...93G [ADS](#)
- Gurtovenko, E. A., "The Total Photospheric Motion Field", 1975SoPh...45...25G [ADS](#)
- Gurtovenko, E. A., "Study of amplitude of photospheric velocity field based on weak Fraunhofer lines of metals", 1975AZh....52..804G [ADS](#)
- Gurtovenko, E., Ratnikova, V., & de Jager, C., "Supplementary Remarks to 'On the Average Depth of Formation of Weak Fraunhofer Lines' by E. Gurtovenko, V. Ratnikova, and C. de Jager", 1975SoPh...42...43G [ADS](#)
- Gurtovenko, E. A. & Ratnikova, V. A., "Dependence of the formation depth of the weak Fraunhofer lines on atomic parameters", 1975SvA....18..609G [ADS](#)
- Gurtovenko, E. A., Kostyk, R. I., Orlova, T. V., Troian, V. I., & Fedorchenko, G. L., "Profiles of selected Fraunhofer lines for various center-limb positions on the solar disk", 1975KiIND....Q....G [ADS](#)
- Gurtovenko, E. A., "The center-to-limb change of profiles of weak Fraunhofer lines. V. The radial and tangential components of the amplitude of the photospheric velocity field.", 1975AAfz...27...67G [ADS](#)
- Gurtovenko, E. A., "Centre-to-limb change of the profiles of weak Fraunhofer lines. IV. Interpretation of the width of various lines in the solar disc centre.", 1975AAfz...26...78G [ADS](#)
- Gurtovenko, E. A.: 1974, Variation in the centre-limb profiles of weak Fraunhofer lines 2 asymmetry and line widths, Variation in the centre-limb profiles of weak Fraunhofer lines 2 asymmetry and line widths Transl. into ENGLISH from Astronom. Astrofiz. (USSR), no. 16, 1972 p. 77-91 1974STIN...7528996G [ADS](#)
- Gurtovenko, E. A. & Ratnikova, V. A., "Dependence of the formation depth of the weak Fraunhofer lines on atomic parameters", 1974AZh....51.1032G [ADS](#)
- Gurtovenko, E., Ratnikova, V., & De Jager, C., "On the Average Optical Depth of Formation of Weak Fraunhofer Lines", 1974SoPh...37...43G [ADS](#)
- Kondrashova, N. N. & Gurtovenko, E. A., "The Determination of the Velocity Amplitude of the Total Photospheric Motion Field. I: The Use of the Weak and Moderately Weak Lines", 1974SoPh...34..291K [ADS](#)
- Gurtovenko, E. A., Troian, V. I., & Fedorchenko, G. L., "Empirical analysis of deviations from LTE in moderate Fraunhofer lines.", 1974AAfz...23...69G [ADS](#)
- Gurtovenko, E. A. & Kondrashova, N. N., "Change in Center-Line Profiles of Faint Fraunhofer Lines. I.", 1973aars.conf..117G [ADS](#)
- Gurtovenko, E. A., "Determining Optical Depth in Different Parts of the Fraunhofer Line Contour", 1973aars.conf..111G [ADS](#)
- Gurtovenko, E. A., "A change in centre-limb profiles of faint Fraunhofer lines. III. Profile shapes and velocity field.", 1973AAfz...19...35G [ADS](#)
- Gurtovenko, E. A., "Centre-to-limb change of faint Fraunhofer line profiles. II. Asymmetry and width of lines.", 1972AAfz...16...77G [ADS](#)
- Gurtovenko, E. A. & Fedorchenko, G. L., "On the empirical determination of the source function.", 1972AAfz...16...61G [ADS](#)
- Gurtovenko, E. A. & Alikayeva, K. V., "On physical conditions in the corona from spectral observations of the solar eclipse on March 7, 1970.", 1972AAfz...15...55G [ADS](#)
- Gurtovenko, E. A. & Alikayeva, K. V., "The Physical Conditions in Inner Corona Derived from Spectral Data of the Solar Eclipse on 7 March, 1970 (Papers presented at the Proceedings of the International Symposium on the 1970 Solar Eclipse, held in Seattle, U. S. A., 18-21 June, 1971.)", 1971SoPh...21..325G [ADS](#)
- Gurtovenko, E. & Troyan, V., "The Use of the Goldberg-Unno Method for the Investigation of Small-Scale Photosphere Motions", 1971SoPh...20..264G [ADS](#)
- Gurtovenko, É. A. & Ratnikova, V. A., "Effect of Macroturbulence on Fraunhofer Line Profiles.", 1971SvA....14..845G [ADS](#)
- Gurtovenko, E. A., "On the Problem of the Flare-Like Emission in Sodium Lines", 1971SoPh...16..413G [ADS](#)
- Gurtovenko, É. A. & Ratnikova, V. A., "Effect of Macroturbulence on Fraunhofer Line Profiles.", 1970Azh....47.1053G [ADS](#)
- Gurtovenko, E. A. & Kondrashova, N. N., "Change in Center-Line Profiles of Faint Fraunhofer Lines. I.", in V. I. Voroshilov (Ed.), Research of the Sun and Stars, 117 1970asas.book..117G [ADS](#)
- Gurtovenko, E. A., "Determining Optical Depth in Different Parts of the Fraunhofer Line Contour", in V. I. Voroshilov (Ed.), Research of the Sun and Stars, 111 1970asas.book..111G [ADS](#)
- Gurtovenko, E. A. & Skorik, K. E., "Spectral observations of the chromosphere and corona during the total solar eclipse on March 7, 1970.", 1970ATsir.580...1G [ADS](#)
- Gurtovenko, E. A. & Kondrashova, N. N., "Center-to-limb variation of faint Fraunhofer lines. I.", 1970AAfz....9...93G [ADS](#)
- Gurtovenko, E. A., "On the determination of optical depth for different parts of Fraunhofer profiles.", 1970AAfz....9...89G [ADS](#)
- Gurtovenko, E. A. & Fedorenko, L. U., "The Use of a Laser Beam for Investigating the Instrumental Profile of a Double-Pass Solar Spectrograph", 1969SoPh....6..465G [ADS](#)
- Gurtovenko, E. A., "On the influence of the width of the intermediate slit of a double monochromator on the profiles of the Fraunhofer lines.", 1969BSoD1969...91G [ADS](#)
- Gurtovenko, E. A., Morozhenko, N. N., & Rakubovsky, A. S., "Active prominences of 9 and 11 July 1966.", 1969AIQSY...3...96G [ADS](#)
- Gurtovenko, E. A. & Troyan, V. I., "Study of the turbulence in the solar photosphere from the Ti I-line profiles.", 1969AAfz....8...85G [ADS](#)
- Gurtovenko, E. A., "The horizontal solar telescope ATSU-5 with a double diffraction spectrograph.", 1969AAfz....8...77G [ADS](#)
- Gurtovenko, E. A., "On the density of Na in comet Ikeya-Seki (1965f).", 1969AAfz....4..155G [ADS](#)
- Gurtovenko, E. A., "Solar Physics at the Main Astronomical Observatory of the Ukrainian Academy of Sciences", 1968SoPh...4..108G [ADS](#)
- Gurtovenko, E. A., "A Peculiar Sodium 'Flare' on the Sun", 1967SoPh...1..389G [ADS](#)
- Gurtovenko, É. A., "Computer Correction of Line Profiles for Instrumental Error.", 1966SvA....10..520G [ADS](#)
- Gurtovenko, É. A., "Computer Correction of Line Profiles for Instrumental Error.", 1966AZh....43..659G [ADS](#)
- Gurtovenko, E. A. & Gordeladze, S. G., "Three-Color Colorimetry of the Integral Brightness of Mars, Based on 1956 Observations.", 1957SvA....1..926G [ADS](#)
- Gurtovenko, E. A. & Gordeladze, S. G., "Three-Color Colorimetry of the Integral Brightness of Mars, Based on 1956 Observations.", 1957AZh....34..959G [ADS](#)