

Bibliography from ADS file: sekii.bib
September 14, 2022

- Hatta, Y., Sekii, T., Benomar, O., & Takata, M., “Bayesian Rotation Inversion of KIC 11145123”, 2022ApJ...927...40H ADS
- Hatta, Y., Sekii, T., Takata, M., & Benomar, O., “Nonstandard Modeling of a Possible Blue Straggler Star, KIC 11145123”, 2021ApJ...923...244H ADS
- Harra, L., Andretta, V., Appourchaux, T., et al., “A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude”, 2021ExA...tmp...93H ADS
- Finsterle, W., Harra, L., Andretta, V., et al., “A Journey of Exploration to the Polar Regions of a Star: Probing the Solar Poles and the Heliosphere from High Helio-Latitude”, 2020AGUFMSH0110005F ADS
- Hatta, Y., Sekii, T., Takata, M., & Kurtz, D. W., “Asteroseismic Study of KIC 11145123: Its Structure and Rotation”, 2020ASSP...57...243H ADS
- Hatta, Y., Sekii, T., Takata, M., & Kurtz, D. W., “The Two-dimensional Internal Rotation of KIC 11145123”, 2019ApJ...871...135H ADS
- Mathys, G., Shibahashi, H., Quintero Noda, C., & Sekii, T., “Can high angular degree non-radial pulsations be observed in roAp stars?”, 2018phos.confE...43M ADS
- Benomar, O., Bazot, M., Nielsen, M. B., et al., “Asteroseismic detection of latitudinal differential rotation in 13 Sun-like stars”, 2018Sci...361.1231B ADS
- Takada-Hidai, M., Kurtz, D. W., Shibahashi, H., et al., “Spectroscopic and asteroseismic analysis of the remarkable main-sequence A star KIC 11145123”, 2017MNRAS.470.4908T ADS
- Kambara, N. & Sekii, T., “The double-ridge structure of the high-frequency time-distance crosscorrelation function in local helioseismology”, 2017SPD...4810902K ADS
- Appourchaux, T., Auchère, F., Antonucci, E., et al., “SOLARIS: Solar Sail Investigation of the Sun”, 2017arXiv170708193A ADS
- Sekii, T., Appourchaux, T., Fleck, B., & Turck-Chièze, S., “Future Mission Concepts for Helioseismology”, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 291–308 2017hdsi.book...291S ADS
- Gizon, L., Thompson, M. J., Brun, A. S., et al., “Preface: Helioseismology and Dynamics of the Solar Interior”, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 1–5 2017hdsi.book...1G ADS
- Thompson, M. J., Brun, A. S., Culhane, J. L., et al.: 2017, *Helioseismology and Dynamics of the Solar Interior* 2017hdsi.book...T ADS
- Gizon, L., Sekii, T., Takata, M., et al., “Shape of a slowly rotating star measured by asteroseismology”, 2016SciA...2E1777G ADS
- Nagashima, K., Sekii, T., Gizon, L., & Birch, A. C., “Statistics of the two-point cross-covariance function of solar oscillations”, 2016A&A...593A...41N ADS
- Sekii, T., Appourchaux, T., Fleck, B., & Turck-Chièze, S., “Future Mission Concepts for Helioseismology”, 2015SSRv...196...285S ADS
- Kurtz, D. W., Saio, H., Takata, M., et al., “Asteroseismic measurement of surface-to-core rotation in a main-sequence star”, 2015EPJWC.10101007K ADS
- Sekii, T. & Shibahashi, H., “Recent discoveries of structures and physical processes in local helioseismology”, in *Extraterrestrial Seismology*, 180–188 2015exse.book...180S ADS
- Saio, H., Kurtz, D. W., Takata, M., et al., “Asteroseismic measurement of slow, nearly uniform surface-to-core rotation in the main-sequence F star KIC 9244992”, 2015MNRAS.447.3264S ADS
- Takeda, Y., Ohshima, O., Kambe, E., et al., “Solar rotation inferred from radial velocities of the Sun-as-a-star during the 2012 May 21 eclipse*”, 2015PASJ...67...10T ADS
- Kurtz, D. W., Saio, H., Takata, M., et al., “Asteroseismic measurement of surface-to-core rotation in a main-sequence A star, KIC 11145123”, 2014MNRAS.444...102K ADS
- Sekii, T. & Shibahashi, H., “Avoided Crossing and Synchronization”, 2013ASPC...479...573S ADS
- Sako, N., Shimojo, M., Watanabe, T., & Sekii, T., “A Statistical Study of Coronal Active Events in the North Polar Region”, 2013ApJ...775...22S ADS
- Toriumi, S., Ilonidis, S., Sekii, T., & Yokoyama, T., “Probing the Shallow Convection Zone: Rising Motion of Subsurface Magnetic Fields in the Solar Active Region”, 2013ApJ...770L...11T ADS
- Toriumi, S., Ilonidis, S., Sekii, T., & Yokoyama, T., “Helioseismic Detection of the Pre-emerging Magnetic Flux in the Shallow Convection Zone”, 2013ens.confE...25T ADS
- Zharkov, S., Harra, L. K., & Sekii, T., “Helioseismic Investigation of Sub-Photospheric Properties of a Coronal Hole”, 2012ASPC...454...27Z ADS
- Nagashima, K., Zhao, J., Kosovichev, A. G., & Sekii, T., “Local-Helioseismic Study of Supergranulation in the Polar Region”, 2012ASPC...454...19N ADS
- “The 3rd Hinode Science Meeting”, 2012ASPC...454...S ADS
- Nagashima, K., Parchevsky, K. V., Zhao, J., et al., “Effects of Spectral Line Formation Height in Time-Distance Helioseismology”, 2012ASPC...456...57N ADS
- Kosovichev, A. G., Kitiashvili, I. N., Mitra-Kraev, U., & Sekii, T., “Links between photospheric and chromospheric oscillations”, 2012decs.confE...97K ADS
- Nagashima, K., Duvall, T., Zhao, J., et al., “Measuring Acoustic Travel Times in Higher-Latitude Regions of the Sun using Hinode and SDO Data”, 2011AGUFM51B2016N ADS
- Nagashima, K., Zhao, J., Duvall, Thomas, J., et al., “Multi-wavelength time-distance helioseismology analyses”, 2011sdmi.confE...37N ADS
- Sekii, T., “Global Helioseismology”, 2011sdmi.confE...12S ADS
- Shimizu, T., Tsuneta, S., Hara, H., et al., “The SOLAR-C mission: current status”, 2011SPIE.8148E...0BS ADS
- Nagashima, K., Zhao, J., Kosovichev, A. G., & Sekii, T., “Detection of Supergranulation Alignment in Polar Regions of the Sun by Helioseismology”, 2011ApJ...726L...17N ADS
- Nagashima, K., Zhao, J., Kosovichev, A. G., & Sekii, T., “Helioseismology Study of Subsurface Dynamics in the Polar Regions of the Sun”, 2010AGUFM.S32A...03N ADS
- Nagashima, K., Zhao, J., Kosovichev, A. G., & Sekii, T., “Supergranulation in the Polar Regions Observed by Hinode/SOT”, 2010AAS...21640002N ADS
- Appourchaux, T., Belkacem, K., Broomhall, A. M., et al., “The quest for the solar g modes”, 2010A&ARv...18...197A ADS
- Zhao, J., Kosovichev, A. G., & Sekii, T., “High-Resolution Helioseismic Imaging of Subsurface Structures and Flows of a Solar Active Region Observed by Hinode”, 2010ApJ...708...304Z ADS
- Kosovichev, A., Zhao, J., Sekii, T., Nagashima, K., & Mitra-Kraev, U., “New Results of High-Resolution Helioseismology from Hinode”, 2009ASPC...416...41K ADS
- Nagashima, K., Sekii, T., Kosovichev, A. G., Zhao, J., & Tarbell, T. D., “Travel-Time Analyses of an Emerging-Flux Region”, 2009ASPC...415...417N ADS
- Zhao, J., Kosovichev, A. G., & Sekii, T., “Subsurface Structures and Flow Fields of an Active Region Observed by Hinode”, 2009ASPC...415...411Z ADS
- Sekii, T., “Hinode/SOT Helioseismic Observations”, 2009ASPC...415...405S ADS
- Kosovichev, A., Zhao, J., Sekii, T., Nagashima, K., & Mitra-Kraev, U., “Recent Progress and Future Directions for Helioseismology”, 2009ASPC...415...399K ADS
- Zhao, J., Kosovichev, A. G., & Sekii, T., “Subsurface Flows in Solar Active Regions and Polar Areas from Hinode Observations”, 2009SPD...40...0706Z ADS
- Nagashima, K., Sekii, T., Kosovichev, A. G., Zhao, J., & Tarbell, T. D., “Helioseismic Signature of Chromospheric Downflows in Acoustic Travel-Time Measurements From Hinode”, 2009ApJ...694L.115N ADS
- Kosovichev, A. G., Arlt, R., Bonanno, A., et al., “Solar Dynamo and Magnetic Self-Organization”, 2009astro2010S.160K ADS
- Zhao, J., Kosovichev, A. G., & Sekii, T., “Helioseismic Measurement of Subsurface Flows at Solar High Latitude”, 2008AGUFM5H44A...03Z ADS
- Kosovichev, A. G., Zhao, J., Sekii, T., Nagashima, K., & Mitra-Kraev, U., “High-Resolution Helioseismology from Hinode”, 2008AGUFM5H41B1627K ADS
- Chaplin, W. J., Appourchaux, T., Arentoft, T., et al., “AsteroFLAG - from the Sun to the stars”, 2008JPhCS.118a2048C ADS
- Teriaca, L., Wiegmann, T., Lagg, A., et al., “Loop Morphology and Flows and their Relation to the Magnetic Field”, 2008ASPC...397...196T ADS
- Chaplin, W. J., Appourchaux, T., Arentoft, T., et al., “AsteroFLAG: First results from hare-and-hounds Exercise #1”, 2008AN...329...549C ADS
- Kosovichev, A. & Sekii, T., “First Detection of MHD Oscillations Excited by Solar Flare in Sunspot Umbra”, 2008AGUSMSP21B...07K ADS
- Kosovichev, A., Zhao, J., Sekii, T., & Nagashima, K., “Initial Helioseismology Results from Hinode”, 2008AGUSMSP21A...01K ADS
- Mitra-Kraev, U., Kosovichev, A. G., & Sekii, T., “Properties of high-degree oscillation modes of the Sun observed with Hinode/SOT”, 2008A&A...481L...1M ADS
- Kambe, E., Ando, H., Sato, B., et al., “Development of Iodine Cells for Subaru HDS and Okayama HIDES. III. An Improvement on the Radial-Velocity Measurement Technique”, 2008PASJ...60...45K ADS
- Kosovichev, A. G. & Sekii, T., “Initial Observations of Sunspot Oscillations Excited by Solar Flare”, 2007ApJ...670L.147K ADS

- Berger, T., Shine, R., Slater, G., et al., "Hinode SOT observations of plume upflows and cascading downflows in quiescent solar prominences", 2007AGUFM5H3A1065B ADS
- Sekii, T., Kosovichev, A. G., Zhao, J., et al., "Initial Helioseismic Observations by Hinode/SOT", 2007PASJ...59S.637S ADS
- Nagashima, K., Sekii, T., Kosovichev, A. G., et al., "Observations of Sunspot Oscillations in G Band and Call H Line with Solar Optical Telescope on Hinode", 2007PASJ...59S.631N ADS
- Katsukawa, Y., Ichimoto, K., Sekii, T., et al., "Calibration of SOT Dopplergrams", 2007ASPC...369...43K ADS
- Y Chang, H. & Sekii, T., "Distribution of MDI p-mode power correlation coefficients", 2006ESASP.624E.132Y ADS
- Chaplin, W. J., Sekii, T., Appourchoux, T., et al., "Rotation inversions of artificial solarFLAG Sun-as-a-star data", 2006ESASP.624E..82C ADS
- Elsworth, Y. P., Baudin, F., Chaplin, W., et al., "The internal structure of the Sun inferred from g modes and low-frequency p modes", 2006ESASP.624E..22E ADS
- Appourchoux, T., Andersen, B., Baudin, F., et al., "Recent Progresses on g-Mode Search", 2006ESASP.617E...2A ADS
- Tanikawa, K., Imanishi, M., Ueda, A., et al.: 2005, *Annual Report of the National Astronomical Observatory of Japan, Volume 6 Fiscal 2003*, Vol. 6 2005naoj.book...T ADS
- Sekii, T., "Seismology of Solar Internal Rotation", 2005HiA...13..424S ADS
- Tanikawa, K., Imanishi, M., Ueda, A., et al., "Annual Report of the National Astronomical Observatory of Japan, Volume 7 Fiscal 2004", 2005ARA0J...7....T ADS
- Chaplin, W. J., Sekii, T., Elsworth, Y., & Gough, D. O., "On the detectability of a rotation-rate gradient in the solar core", 2004MNRAS.355..535C ADS
- Sekii, T., "SOT Local-Helioseismology Programme", 2004ASPC...325...87S ADS
- , "The Solar-B Mission and the Forefront of Solar Physics", 2004ASPC...325....S ADS
- Sekii, T., Shibahashi, H., & Jefferies, S. M., "An Alternative Interpretation of the Double-Ridge Structure in the - Frequency Time-Distance Autocorrelation Function?", 2004ESASP.559..619S ADS
- Tanikawa, K., Imanishi, M., Miyoshi, M., et al.: 2004, *Annual Report of the National Astronomical Observatory of Japan, Volume 5 Fiscal 2002*, Vol. 5 2004naoj.book...T ADS
- Sekii, T., "Helioseismic measurement of solar rotation", 2004ceme.symp...25S ADS
- Sekii, T. & Shibahashi, H., "On averaged time-distance autocorrelation diagrams", 2003ESASP.517..389S ADS
- Sekii, T., Shibahashi, H., & Kosovichev, A. G., "Autocorrelation analysis of MDI high-frequency data", 2003ESASP.517..385S ADS
- Sekii, T., "Seismology of solar rotation", in M. J. Thompson and J. Christensen-Dalsgaard (Eds.), *Stellar Astrophysical Fluid Dynamics*, 263–278 2003safd.book..263S ADS
- Tanikawa, K., Honma, M., Imanishi, M., et al.: 2003, *Annual Report of the National Astronomical Observatory of Japan, Volume 4 Fiscal 2001*, Vol. 4 2003naoj.book...T ADS
- Sekii, T., "Seismology of Solar Internal Rotation", 2003IAUJD..12E..36S ADS
- Kosovichev, A. G., Duvall, T. L., Birch, A. C., et al., "Acoustic Tomography of the Sun's Interior with SDO: Possibilities and Limitations", 2002AGUFM5H21C..06K ADS
- Gough, D. O. & Sekii, T., "On the effect of error correlation on linear inversions", 2002MNRAS.335..170G ADS
- Appourchoux, T., Andersen, B., & Sekii, T., "What have we learnt with the Luminosity Oscillations Imager over the past 6 years?", 2002ESASP.508...47A ADS
- Appourchoux, T., Andersen, B., Berthomieu, G., et al., "g-mode detection: Where do we stand?", 2001ESASP.464..467A ADS
- Sekii, T., Shibahashi, H., Kosovichev, A. G., et al., "Local-area helioseismology by SOT on-board Solar-B", 2001ESASP.464..327S ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Comparison of phase inversion and time-distance analysis of one-dimensional artificial seismic data", 2001ESASP.464..207G ADS
- Appourchoux, T., Chang, H. Y., Gough, D. O., & Sekii, T., "On measuring low-degree p-mode frequency splitting with full-disc integrated data", 2000MNRAS.319..365A ADS
- Sekii, T., "Solar Interior: Inversions of Helioseismic Data", in P. Murdin (Ed.), *Encyclopedia of Astronomy and Astrophysics*, 2248 2000eaa..bookE2248S ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Phase inversion of one-dimensional artificial seismic data", 2000SoPh..195....1G ADS
- Appourchoux, T., Fröhlich, C., Andersen, B., et al., "Observational Upper Limits to Low-Degree Solar g-Modes", 2000ApJ...538..401A ADS
- Kawaler, S. D., Sekii, T., & Gough, D., "Prospects for Measuring Differential Rotation in White Dwarfs through Asteroseismology", 1999ApJ...516..349K ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Phase Inversion of One-Dimensional Artificial Seismic Data", 1999soho....9E..30G ADS
- Schou, J., Antia, H. M., Basu, S., et al., "Helioseismic Studies of Differential Rotation in the Solar Envelope by the Solar Oscillations Investigation Using the Michelson Doppler Imager", 1998ApJ...505..390S ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Some Comments on Phase Inversions", 1998ESASP.418..789G ADS
- Gough, D. O. & Sekii, T., "On the Influence of Unaccounted Error Correlations of Linear Inversions", 1998ESASP.418..787G ADS
- Elliott, J. R., Gough, D. O., & Sekii, T., "Helioseismic Determination of the Solar Tachocline Thickness", 1998ESASP.418..763E ADS
- Corbard, T., Di Mauro, M. P., Sekii, T., & GOLF Team, "The Solar Internal Rotation from GOLF Splittings", 1998ESASP.418..741C ADS
- Appourchoux, T., Andersen, B., Chaplin, W., et al., "Comparative Studies of Low-Order and Low-Degree Solar p Modes", 1998ESASP.418...95A ADS
- Fröhlich, C., Finsterle, W., Andersen, B., et al., "Observational Upper Limits for Low-Degree Solar g-modes", 1998ESASP.418...67F ADS
- Sekii, T., "Recent topics in helioseismology", 1998AstHe..91...92S ADS
- Scherrer, P. H., Schou, J., Bogart, R. S., et al., "Rotation and Zonal Flows in the Solar Envelope from the SOHO/MDI Observations", 1997AAS...191.7310S ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Structure and Rotation of the Solar Interior: Initial Results from the MDI Medium-L Program", 1997SoPh..170...43K ADS
- Fröhlich, C., Andersen, B. N., Appourchoux, T., et al., "First Results from VIRGO, the Experiment for Helioseismology and Solar Irradiance Monitoring on SOHO", 1997SoPh..170....1F ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Internal structure and rotation of the Sun: First results from MDI data", 1997IAUS..181..203K ADS
- Sekii, T., "Internal Solar rotation", 1997IAUS..181..189S ADS
- Appourchoux, T., Sekii, T., Gough, D., et al., "Structure inversions with the VIRGO data", 1997IAUS..181..159A ADS
- Anderson, E., Antia, H. M., Basu, S., et al., "The seismic structure of the Sun from GONG", 1997IAUS..181..151A ADS
- Fröhlich, C., Andersen, B. N., Appourchoux, T., et al., "First results from VIRGO on SoHO", 1997IAUS..181...67F ADS
- Thompson, M. J., Toomre, J., Anderson, E. R., et al., "Differential Rotation and Dynamics of the Solar Interior", 1996Sci...272.1300T ADS
- Gough, D. O., Kosovichev, A. G., Toomre, J., et al., "The Seismic Structure of the Sun", 1996Sci...272.1296G ADS
- Gough, D. O., Sekii, T., & Stark, P. B., "Inferring Spatial Variation of Solar Properties from Helioseismic Data", 1996ApJ...459..779G ADS
- Sekii, T., "The 1 ⊗ 1 Rotation Inversion with Expansion Coefficients", 1995ESASP.376b.285S ADS
- Sekii, T., Genovese, C. R., Gough, D. O., & Stark, P. B., "Observational Constraints on the Internal Solar Angular Velocity", 1995ESASP.376b.279S ADS
- Chang, H. Y., Gough, D., & Sekii, T., "On Frequency Determination and Temporal Data Sampling", 1995ESASP.376b.175C ADS
- Kosovichev, A. G., Basu, S., Christensen-Dalsgaard, J., et al., "Working Group 9 - Interior Structure and Inversions", 1995ESASP.376a.211K ADS
- Strakhov, V. N., Vorontsov, S. V., & Sekii, T., "Linear Inversions in Helioseismology: Testing New Regularization Techniques for Solving Large Systems of Linear Algebraic Equations", 1995ASPC...76..492S ADS
- Gough, D. O. & Sekii, T., "Asymptotic Signatures of Jovian Discontinuities", 1995ASPC...76..374G ADS
- Sekii, T., "Angular Inversions of Rotational Splitting Coefficients", 1995ASPC...76...74S ADS
- Sekii, T., "How Regularization Influences Rotation Inversion", 1995ASPC...76...67S ADS
- Sekii, T., Gough, D. O., & Kosovichev, A. G., "Inversions of BBSO Rotational Splitting Data", 1995ASPC...76...59S ADS
- Shibahashi, H. & Sekii, T., "Invitation to helioseismology II.", 1993AstHe..86..461S ADS
- Sekii, T., "A new strategy for 2D inversion for solar rotation", 1993MNRAS.264.1018S ADS
- Shibahashi, H. & Sekii, T., "Invitation to helioseismology I.", 1993AstHe..86..416S ADS
- Sekii, T., "on an R/IXR/I Inversion Technique for Solar Rotation", 1993ASPC...42..237S ADS
- Gough, D. O., Kosovichev, A. G., Sekii, T., Libbrecht, K. G., & Woodard, M. F., "The Form of the Angular Velocity in the Solar Convection Zone", 1993ASPC...42..213G ADS

- Gough, D. O. & Sekii, T., “*on the Detection of Convective Overshoot*”, 1993ASPC...42..177G [ADS](#)
- Sekii, T. & Gough, D. O., “*A procedure for two-dimensional asymptotic rotational-splitting inversion*”, 1993ASPC...40..569S [ADS](#)
- Gough, D. O., Kosovichev, A. G., Sekii, T., Libbrecht, K. G., & Woodard, M. F., “*Seismic evidence of modulation of the structure and angular velocity of the Sun associated with the solar cycle*”, 1993ASPC...40...93G [ADS](#)
- Sekii, T., “*Two-Dimensional Inversion for Solar Internal Rotation*”, 1991PASJ...43..381S [ADS](#)
- Sekii, T., “*Two-Dimensional Inversion of Rotational Splitting Data*”, in Y. Osaki and H. Shibahashi (Eds.), *Progress of Seismology of the Sun and Stars*, Vol. 367, 337–367, 1990LNP...367..337S [ADS](#)
- Sekii, T. & Shibahashi, H., “*An asymptotic inversion method of inferring the sound velocity distribution in the sun from the spectrum of p-mode oscillations*”, 1989PASJ...41..311S [ADS](#)
- Sekii, T. & Shibahashi, H., “*An inversion method based on the Moore-Penrose generalized inverse matrix*”, 1988ESASP.286..521S [ADS](#)
- Shibahashi, H. & Sekii, T., “*Sound velocity distribution in the Sun inferred from the asymptotic inversion of p-mode spectra*”, 1988ESASP.286..471S [ADS](#)
- Shibahashi, H., Sekii, T., & Kawaler, S., “*White Dwarf Seismology - Inverse Problem of G-Mode Oscillations*”, in K. Nomoto (Ed.), *IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution*, Vol. 305, 86–106, 1988LNP...305...86S [ADS](#)
- Sekii, T. & Shibahashi, H., “*Inverse Problem of Solar Oscillations*”, in A. N. Cox, W. M. Sparks, and S. G. Starrfield (Eds.), *Stellar Pulsation*, Vol. 274, 322–332, 1987LNP...274..322S [ADS](#)