

Bibliography from ADS file: cally.bib

September 14, 2022

- Cally, P. S., “On the fragility of Alfvén waves in a stratified atmosphere”, 2022MNRAS.510.1093C [ADS](#)
- Raboonik, A. & Cally, P. S., “Benchmarking hall-induced magnetoacoustic to Alfvén mode conversion in the solar chromosphere”, 2021MNRAS.507.2671R [ADS](#)
- Raboonik, A. & Cally, P., “Benchmarking Hall-Induced Magnetoacoustic to Alfvén Mode Conversion in the Solar Chromosphere”, 2021arXiv210802396R [ADS](#)
- Pennicott, J. D. & Cally, P. S., “Conversion and Smoothing of MHD Shocks in Atmospheres with Open and Closed Magnetic Field and Neutral Points”, 2021SoPh..296...97P [ADS](#)
- Srivastava, A. K., Ballester, J. L., Cally, P. S., et al., “Chromospheric Heating by Magnetohydrodynamic Waves and Instabilities”, 2021JGRA..12629097S [ADS](#)
- Donea, A. & Cally, P., “Second bounces of seismic signals from sunquakes: modelling and data”, 2021AAS...23811318D [ADS](#)
- Tripathy, S. C., Jain, K., Kholikov, S., Hill, F., & Cally, P., “Study of Acoustic Halos in NOAA Active Region 12683”, 2020ASSP...57..121T [ADS](#)
- Hunana, P., Tenerani, A., Zank, G. P., et al., “An introductory guide to fluid models with anisotropic temperatures. Part 2. Kinetic theory, Padé approximants and Landau fluid closures”, 2019JP1Ph..85f2003H [ADS](#)
- Hunana, P., Tenerani, A., Zank, G. P., et al., “An introductory guide to fluid models with anisotropic temperatures. Part 1. CGL description and collisionless fluid hierarchy”, 2019JP1Ph..85f2002H [ADS](#)
- Cally, P. S. & Khomenko, E., “Fast-to-Alfvén Mode Conversion and Ambipolar Heating in Structured Media. I. Simplified Cold Plasma Model”, 2019ApJ...885...58C [ADS](#)
- Raboonik, A. & Cally, P. S., “Hall-coupling of Slow and Alfvén Waves at Low Frequencies in the Lower Solar Atmosphere”, 2019SoPh..294..147R [ADS](#)
- Khomenko, E. & Cally, P. S., “Fast-to-Alfvén Mode Conversion and Ambipolar Heating in Structured Media. II. Numerical Simulation”, 2019ApJ...883..179K [ADS](#)
- Pennicott, J. D. & Cally, P. S., “Smoothing of MHD Shocks in Mode Conversion”, 2019ApJ...881L..21P [ADS](#)
- González-Morales, P. A., Khomenko, E., & Cally, P. S., “Fast-to-Alfvén Mode Conversion Mediated by Hall Current. II. Application to the Solar Atmosphere”, 2019ApJ...870...94G [ADS](#)
- Tripathy, S. C., Jain, K., Kholikov, S., et al., “Investigation of Acoustic Halos using Multi-Height SDO Observations”, 2018csc..confE.130T [ADS](#)
- Duvall, Thomas L. J., Cally, P. S., Przybylski, D., Nagashima, K., & Gizon, L., “Probing sunspots with two-skip time-distance helioseismology”, 2018A&A...613A..73D [ADS](#)
- Cally, P. S. & Khomenko, E., “Fast-to-Alfvén Mode Conversion in the Presence of Ambipolar Diffusion”, 2018ApJ...856...20C [ADS](#)
- Dikpati, M., McIntosh, S. W., Bothun, G., et al., “Role of Interaction between Magnetic Rossby Waves and Tachocline Differential Rotation in Producing Solar Seasons”, 2018ApJ...853..144D [ADS](#)
- Cally, P. S. & Xiong, M., “Sensitivity of coronal loop sausage mode frequencies and decay rates to radial and longitudinal density inhomogeneities: a spectral approach”, 2018JPhA..51b5501C [ADS](#)
- Tripathy, S. C., Jain, K., Kholikov, S., et al., “A study of acoustic halos in active region NOAA 11330 using multi-height SDO observations”, 2018AdSpR..61..691T [ADS](#)
- Dikpati, M., Cally, P. S., McIntosh, S. W., & Heifetz, E., “The Origin of the “Seasons” in Space Weather”, 2017NatSR...714750D [ADS](#)
- Cally, P. S., “Alfvén waves in the structured solar corona”, 2017MNRAS.466..413C [ADS](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “Helioseismology with Solar Orbiter”, 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, 257–289 2017hdssi.book..257L [ADS](#)
- Besliu-Ionescu, D., Donea, A., & Cally, P., “Current State of Seismic Emission Associated with Solar Flares”, 2017SunGe..12..59B [ADS](#)
- Tripathy Sushanta C., Jain, K., Kholikov, S., Hill, F., & Cally, P. S., “Magnetoacoustics of Active Regions using Multi-wavelength Observations from SDO”, 2016usc..confE..85T [ADS](#)
- Norton, A. A., Cally, P., Baldner, C., et al., “Amplitudes of MHD Waves in Sunspots”, 2016SPD....47.1009N [ADS](#)
- Tripathy, S., Jain, K., Kholikov, S., Hill, F., & Cally, P., “Magnetoacoustics of Active Regions using Multi-wavelength Observations from GONG and SDO”, 2016SPD....47.0721T [ADS](#)
- Cally, P., “Seismology and the Wounded Sun”, 2016SPD....47.0704C [ADS](#)
- Schrijver, C. J., Fletcher, L., van Driel-Gesztesy, L., et al., “Division E Commission 10: Solar Activity”, 2016IAUTA..29..245S [ADS](#)
- Hanson, C. S. & Cally, P. S., “Erratum: Erratum to: Multiple Scattering of Seismic Waves from Ensembles of Upwardly Lossy Thin Flux Tubes”, 2016SoPh..291..727H [ADS](#)
- Hansen, S. C., Cally, P. S., & Donea, A.-C., “On mode conversion, reflection, and transmission of magnetoacoustic waves from above in an isothermal stratified atmosphere”, 2016MNRAS.456.1826H [ADS](#)
- Cally, P. S., Moradi, H., & Rajaguru, S. P., “p-Mode Interaction with Sunspots”, 2016GMS...216..489C [ADS](#)
- Rijs, C., Rajaguru, S. P., Przybylski, D., et al., “3D Simulations of Realistic Power Halos in Magnetohydrostatic Sunspot Atmospheres: Linking Theory and Observation”, 2016ApJ...817...45R [ADS](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “Helioseismology with Solar Orbiter”, 2015SSRv..196..251L [ADS](#)
- Cally, P. S. & Khomenko, E., “Fast-to-Alfvén Mode Conversion Mediated by the Hall Current. I. Cold Plasma Model”, 2015ApJ...814..106C [ADS](#)
- Hanson, C. S. & Cally, P. S., “Multiple Scattering of Seismic Waves from Ensembles of Upwardly Lossy Thin Flux Tubes”, 2015SoPh..290.1889H [ADS](#)
- Przybylski, D., Shelyag, S., & Cally, P. S., “Spectropolarimetrically Accurate Magnetohydrostatic Sunspot Model for Forward Modeling in Helioseismology”, 2015ApJ...807...20P [ADS](#)
- Moradi, H., Cally, P. S., Przybylski, D., & Shelyag, S., “Directional time-distance probing of model sunspot atmospheres”, 2015MNRAS.449.3074M [ADS](#)
- Rijs, C., Moradi, H., Przybylski, D., & Cally, P. S., “MHD Wave Refraction and the Acoustic Halo Effect around Solar Active Regions: A 3D Study”, 2015ApJ...801..27R [ADS](#)
- Hansen, S. C. & Cally, P. S., “Time-Distance Seismology and the Solar Transition Region”, 2014SoPh..289.4425H [ADS](#)
- Hanson, C. S. & Cally, P. S., “The Scattering of f- and p-modes from Ensembles of Thin Magnetic Flux Tubes: An Analytical Approach”, 2014ApJ...791..129H [ADS](#)
- Hanson, C. S. & Cally, P. S., “An Analytical Approach to Scattering Regimes Between Thin Magnetic Flux Tubes Within an Ensemble”, 2014AAS...22411204H [ADS](#)
- Moradi, H. & Cally, P. S., “Sensitivity of Helioseismic Travel Times to the Imposition of a Lorentz Force Limiter in Computational Helioseismology”, 2014ApJ...782L..26M [ADS](#)
- Hanson, C. S. & Cally, P. S., “An Analytical Approach to Scattering between Two thin Magnetic Flux Tubes in a Stratified Atmosphere”, 2014ApJ...781..125H [ADS](#)
- Moradi, H. & Cally, P. S., “Helioseismic Implications of Mode Conversion”, 2013ASPC..478..263M [ADS](#)
- Cally, P. S. & Moradi, H., “Seismology of the wounded Sun”, 2013MNRAS.435.2589C [ADS](#)
- Shelyag, S., Cally, P. S., Reid, A., & Mathioudakis, M., “Alfvén Waves in Simulations of Solar Photospheric Vortices”, 2013ApJ...776L..4S [ADS](#)
- Moradi, H. & Cally, P. S., “Modelling Fast-Alfvén Mode Conversion Using SPARC”, 2013JPhCS.440a2047M [ADS](#)
- Cally, P., Erdélyi, R., & Norton, “PREFACE: Eclipse on the Coral Sea: Cycle 24 Ascending”, 2013JPhCS.440a1001C [ADS](#)
- Calvo Santamaría, I., Khomenko, E., Cally, P. S., & Collados, M., “MHD wave propagation in the solar network”, 2013hsa7.conf..806C [ADS](#)
- Cally, P. S., “Near- and Far-field Response to Compact Acoustic Sources in Stratified Convection Zones”, 2013ApJ...768..35C [ADS](#)
- Cally, P. S., “Alfvén Reflection and Reverberation in the Solar Atmosphere”, 2012SoPh..280...33C [ADS](#)
- Besliu-Ionescu, D., Donea, A., Cally, P., & Lindsey, C., “Web-based Comprehensive Data Archive of Seismically Active Solar Flares”, in Advances in Solar and Solar-Terrestrial Physics, 31 2012asst.book...31B [ADS](#)
- Hansen, S. C. & Cally, P. S., “Benchmarking Fast-to-Alfvén Mode Conversion in a Cold MHD Plasma. II. How to Get Alfvén Waves through the Solar Transition Region”, 2012ApJ...751..31H [ADS](#)
- Khomenko, E. & Cally, P. S., “Numerical Simulations of Conversion to Alfvén Waves in Sunspots”, 2012ApJ...746..68K [ADS](#)
- Andries, J. & Cally, P. S., “On the Dispersion and Scattering of Magnetohydrodynamic Waves by Longitudinally Stratified Flux Tubes”, 2011ApJ...743..164A [ADS](#)
- Newington, M. E. & Cally, P. S., “Mode conversion of radiatively damped magnetogravity waves in the solar chromosphere”, 2011MNRAS.417.1162N [ADS](#)
- Dikpati, M. & Cally, P. S., “Analyses Of Three-dimensional Magnetohydrodynamic Instability of Antisolar Latitudinal Differential Rotation in F, G, and K Stars”, 2011ApJ...739....4D [ADS](#)
- Cally, P. S. & Hansen, S. C., “Benchmarking Fast-to-Alfvén Mode Conversion in a Cold Magnetohydrodynamic Plasma”, 2011ApJ...738..119C [ADS](#)
- Hanson, C. S. & Cally, P. S., “Resonant Absorption as Mode Conversion? II. Temporal Ray Bundle”, 2011SoPh..269..105H [ADS](#)

- Schunker, H., Braun, D. C., Lindsey, C., & Cally, P. S., “*Local Helioseismology of Inclined Magnetic Fields and the Showerglass Effect*”, 2004ESASP.559..227S [ADS](#)
- Cally, P. S., “*Acoustics of Surface Magnetic Fields*”, 2004ESASP.559..213C [ADS](#)
- Dikpati, M., Cally, P. S., & Gilman, P. A., “*Linear Analysis and Nonlinear Evolution of Two-Dimensional Global Magnetohydrodynamic Instabilities in a Diffusive Tachocline*”, 2004ApJ...610..597D [ADS](#)
- Cally, P. S., Dikpati, M., & Gilman, P. A., “*The Solar Tachocline: Limiting Magneto-Tipping Instabilities*”, 2004IAUS..219..541C [ADS](#)
- Crouch, A. D. & Cally, P. S., “*Mode Conversion of Solar p-Modes In Non-Vertical Magnetic Fields*”, 2004ESASP.547..81C [ADS](#)
- Cally, P. S., “*Absorption of Waves in Sunspots*”, 2004ESASP.547..15C [ADS](#)
- Cally, P. S., Crouch, A. D., & Braun, D. C., “*Probing sunspot magnetic fields with p-mode absorption and phase shift data*”, 2003MNRAS.346..381C [ADS](#)
- Rüedi, I. & Cally, P. S., “*A comparison between model calculations and observations of sunspot oscillations*”, 2003A&A...410.1023R [ADS](#)
- Cally, P. S., “*Coronal Leaky Tube Waves and Oscillations Observed with Trace*”, 2003SoPh..217..95C [ADS](#)
- Crouch, A. D. & Cally, P. S., “*Mode Conversion of Solar p-Modes in non-Vertical Magnetic Fields - i. two-Dimensional Model*”, 2003SoPh..214..201C [ADS](#)
- Norton, A. A., Gilman, P. A., Henney, C. J., & Cally, P. S., “*The Search for a Tipped Toroidal Field*”, 2003SPD...34.1903N [ADS](#)
- Cally, P. S., “*Three-dimensional magneto-shear instabilities in the solar tachocline*”, 2003MNRAS.339..957C [ADS](#)
- Cally, P., “*Observations and Interpretation of Sub-Surface Structures*”, 2003IAUJD..12E..43C [ADS](#)
- Cally, P. S., Dikpati, M., & Gilman, P. A., “*Clamshell and Tipping Instabilities in a Two-dimensional Magnetohydrodynamic Tachocline*”, 2003ApJ...582.1190C [ADS](#)
- Cally, P. S., “*Interaction of Solar p-modes with Magnetic Field*”, 2003ASPC..305..152C [ADS](#)
- Hennig, B. S. & Cally, P. S., “*Numerical Solutions of Three-Dimensional Pressure-Bounded Magnetohydrostatic Flux Tubes*”, 2001SoPh..201..289H [ADS](#)
- Cally, P. S., “*Nonlinear Evolution of 2d Tachocline Instabilities*”, 2001SoPh..199..231C [ADS](#)
- McIntosh, S. W., Bogdan, T. J., Cally, P. S., et al., “*An Observational Manifestation of Magnetohydrodynamic Waves in Internetwork Regions of the Chromosphere and Transition Region*”, 2001ApJ...548L.237M [ADS](#)
- Cally, P. S., “*Note on an Exact Solution for Magnetohydrodynamic Waves*”, 2001ApJ...548..473C [ADS](#)
- Barnes, G. & Cally, P. S., “*Frequency Dependent Ray Paths in Local Helioseismology*”, 2001PASA...18..243B [ADS](#)
- Cally, P. S., “*A Sufficient Condition for Instability in a Sheared Incompressible Magnetofluid*”, 2000SoPh..194..189C [ADS](#)
- Barnes, G. & Cally, P. S., “*Mode Mixing by a Shallow Sunspot*”, 2000SoPh..193..373B [ADS](#)
- Cally, P. S., “*Modelling p-Mode Interaction with a Spreading Sunspot Field*”, 2000SoPh..192..395C [ADS](#)
- Crouch, A. D. & Cally, P. S., “*The Contribution by Thin Magnetic Flux Tubes to p-Mode Line Widths*”, 1999ApJ...521..878C [ADS](#)
- Bogdan, T. J., Barnes, G. K., Cally, P. S., & Crouch, A. D., “*Interaction of p-Modes with Sunspots*”, 1999AA...194.5607B [ADS](#)
- Cally, P. & Bogdan, T., “*Modelling p-Mode Interaction with a Spreading Sunspot Field*”, 1999soho...9E..47C [ADS](#)
- Barnes, G. & Cally, P. S., “*Mode Mixing by a Shallow Sunspot*”, 1999soho...9E..35B [ADS](#)
- Rüedi, I., Solanki, S. K., Bogdan, T., & Cally, P., “*Sunspot magnetic oscillations: Comparison between observations and models*”, 1999ASSL..243..337R [ADS](#)
- Lites, B. W., Thomas, J. H., Bogdan, T. J., & Cally, P. S., “*Velocity and Magnetic Field Fluctuations in the Photosphere of a Sunspot*”, 1998ApJ...497..464L [ADS](#)
- Cally, P. S. & Bogdan, T. J., “*Simulation of f- and p-Mode Interactions with a Stratified Magnetic Field Concentration*”, 1997ApJ...486L..67C [ADS](#)
- Bogdan, T. J. & Cally, P. S., “*Waves in magnetized polytropes*”, 1997RSPSA.453..943B [ADS](#)
- Bogdan, T. J., Hindman, B. W., Cally, P. S., & Charbonneau, P., “*Absorption of p-Modes by Slender Magnetic Flux Tubes and p-Mode Lifetimes*”, 1996ApJ...465..406B [ADS](#)
- Hindman, B. W., Zweibel, E. G., & Cally, P. S., “*Driven Acoustic Oscillations within a Vertical Magnetic Field*”, 1996ApJ...459..760H [ADS](#)
- Bogdan, T. J. & Cally, P. S., “*Jacket Modes: Solar Acoustic Oscillations Confined to Regions Surrounding Sunspots and Plage*”, 1995ApJ...453..919B [ADS](#)
- Mann, I. R., Wright, A. N., & Cally, P. S., “*Coupling of magnetospheric cavity modes to field line resonances: A study of resonance widths*”, 1995JGR...10019441M [ADS](#)
- Cally, P. S., “*Effects of Weak-to-Moderate Vertical Magnetic Fields on Solar f- and p-Modes*”, 1995ApJ...451..372C [ADS](#)
- Hindman, B. W., Zweibel, E. G., & Cally, P. S., “*Driven Acoustic Oscillations Within a Vertical Magnetic Field*”, 1995ESASP.376b..77H [ADS](#)
- Cally, P. S., Bogdan, T. J., & Zweibel, E. G., “*Umbral Oscillations in Sunspots: Absorption of p-Modes and Active Region Heating by Mode Conversion*”, 1994ApJ...437..505C [ADS](#)
- Cally, P. S. & Sedláček, Z., “*A Fourier-space description of oscillations in an inhomogeneous plasma. Part 2. Discrete approach*”, 1994JP1Ph..52..265C [ADS](#)
- Sedláček, Z. & Cally, P. S., “*A Fourier-space description of oscillations in an inhomogeneous plasma. Part 1. Continuous Fourier transformation*”, 1994JP1Ph..52..245S [ADS](#)
- Charbonneau, P., Cally, P. S., & Bogdan, T. J., “*Modelling magnetoacoustic oscillations in sunspots: a progress report*”, 1994smf..conf..251C [ADS](#)
- Cally, P. S. & Bogdan, T. J., “*Solar p-Modes in a Vertical Magnetic Field: Trapped and Damped pi-Modes*”, 1993ApJ...402..721C [ADS](#)
- Robb, T. D. & Cally, P. S., “*Steady and Nonsteady Siphon Flow in Hot Coronal Loops*”, 1992ApJ...397..329R [ADS](#)
- Cally, P. S. & Sedláček, Z., “*Phase mixing and surface-wave decay in an inhomogeneous plasma*”, 1992JP1Ph..48..145C [ADS](#)
- Zorzan, C. & Cally, P. S., “*Resonant structures within incompressible ideal MHD*”, 1992JP1Ph..47..321Z [ADS](#)
- Cally, P. S., “*Phase-mixing and surface waves: a new interpretation*”, 1991JP1Ph..45..453C [ADS](#)
- Cally, P. S. & Robb, T. D., “*Stability, Structure, and Evolution of Cool Loops*”, 1991ApJ...372..329C [ADS](#)
- Cally, P. S., “*Why Heating is Not Necessary in the Transition Region or Upper Chromosphere (With 3 Figures)*”, 1991mcch.conf..103C [ADS](#)
- Cally, P. S., “*Turbulent Thermal Conduction in the Solar Transition Region*”, 1990ApJ...355..693C [ADS](#)
- Fiedler, R. A. S. & Cally, P. S., “*Force and Energy Balance in the Transition Region Network*”, 1990SoPh..126..69F [ADS](#)
- Cally, P. S., “*Magnetohydrodynamic Tube Waves and High Speed Solar Wind Streams*”, 1987SoPh..108..183C [ADS](#)
- Cally, P. S., “*Leaky and Non-Leaky Oscillations in Magnetic Flux Tubes*”, 1986SoPh..103..277C [ADS](#)
- Cally, P. S., “*Magnetohydrodynamic tube waves - Waves in fibrils*”, 1985AuJPh..38..825C [ADS](#)
- Cally, P. S., “*Magnetohydrodynamic critical levels and radiative damping*”, 1984A&A..136..121C [ADS](#)
- Schwartz, S. J., Cally, P. S., & Bel, N., “*Chromospheric and coronal Alfvénic oscillations in non-vertical magnetic fields*”, 1984SoPh..92..81S [ADS](#)
- Cally, P. S., “*Umbral Oscillations in the Presence of a Spreading Magnetic Field*”, 1983SoPh..88..77C [ADS](#)
- Cally, P. S. & Adam, J. A., “*On photospheric and chromospheric penumbral waves*”, 1983SoPh..85..97C [ADS](#)
- Adam, J. A. & Cally, P. S., “*Photospheric and Chromospheric Penumbra Waves*”, 1983BAAS..15Q.706A [ADS](#)
- Cally, P. S. & Adam, J. A., “*Complex eigenvalue bounds in magnetohydrodynamic shear flow. II*”, 1983GApFD..23..57C [ADS](#)
- Cally, P. S., “*Complex eigenvalue bounds in magnetohydrodynamic shear flow. I*”, 1983GApFD..23..43C [ADS](#)
- Cally, P. S. & Monaghan, J. J., “*Statistical mechanics and the gravothermal catastrophe*”, 1981JMP....22..348C [ADS](#)
- Cally, P. S., “*The equilibrium statistical mechanics of self-gravitating systems*”, 1981AuJPh..34..267C [ADS](#)
- Cally, P. S.: 1979, “*Many body problems in astrophysics*”, Ph.D. thesis, Monash University, Australia 1979PhDT.....233C [ADS](#)