

- Arregui, I., van Doorsselaere, T., Andries, J., Goossens, M., & Poedts, S., "Seismology of Coronal Loops Using Resonant Absorption", 2005ESASP.600E..21A [ADS](#)
- Siversky, T., Voitenko, Y., & Goossens, M., "Shear Flow Instabilities in Low-Beta Space Plasmas", 2005SSRv..121..343S [ADS](#)
- van Doorsselaere, T., Arregui, I., Andries, J., Goossens, M., & Poedts, S., "Dynamics of Coronal Loop Oscillations: Recent Improvements and Computational Aspects", 2005SSRv..121..79V [ADS](#)
- Goossens, M., Poedts, S., Voitenko, Y., & Chian, A. C. L., "Foreword: Computing in Space and Astrophysical Plasmas", 2005SSRv..121....1G [ADS](#)
- van Doorsselaere, T., Arregui, I., Andries, J., Goossens, M., & Poedts, S., "Dynamics of Coronal Loop Oscillations", 2005ESASP.596E..44V [ADS](#)
- Voitenko, Y. M. & Goossens, M., "Nonlinear coupling of Alfvén waves with widely different cross-field wavelengths in space plasmas", 2005JGRA..11010S01V [ADS](#)
- Arregui, I., Van Doorsselaere, T., Andries, J., Goossens, M., & Kimpe, D., "Resonantly damped fast MHD kink modes in longitudinally stratified tubes with thick non-uniform transitional layers", 2005A&A...441..361A [ADS](#)
- Goossens, M., Andries, J., Arregui, I., Doorsselaere, T. V., & Poedts, S., "Solar coronal loop oscillations: theory of resonantly damped oscillations and comparison with observations", 2005AIPC..784..114G [ADS](#)
- Voitenko, Y., Andries, J., Copil, P. D., & Goossens, M., "Damping of phase-mixed slow magneto-acoustic waves: Real or apparent?", 2005A&A...437L..47V [ADS](#)
- Andries, J., Arregui, I., & Goossens, M., "Determination of the Coronal Density Stratification from the Observation of Harmonic Coronal Loop Oscillations", 2005ApJ...624L..57A [ADS](#)
- Voitenko, Y. & Goossens, M., "Cross-Scale Nonlinear Coupling and Plasma Energization by Alfvén Waves", 2005PhRvL..94m5003V [ADS](#)
- Andries, J., Goossens, M., Hollweg, J. V., Arregui, I., & Van Doorsselaere, T., "Coronal loop oscillations. Calculation of resonantly damped MHD quasi-mode kink oscillations of longitudinally stratified loops", 2005A&A...430.1109A [ADS](#)
- Gordovskyy, M., Zharkova, V. V., Voitenko, Y. M., & Goossens, M., "Proton versus electron heating in solar flares", 2005AdSpR..35.1743G [ADS](#)
- Arregui, I., van Doorsselaere, T., Andries, J., & Goossens, M., "Numerical Solutions for Resonantly Damped MHD Quasi-Modes in Two-Dimensional Coronal Loops", 2004ESASP.575..85A [ADS](#)
- Van Doorsselaere, T., Andries, J., Poedts, S., & Goossens, M., "Damping of Coronal Loop Oscillations: Calculation of Resonantly Damped Kink Oscillations of One-dimensional Nonuniform Loops", 2004ApJ...606.1223V [ADS](#)
- Voitenko, Y. & Goossens, M., "Cross-Field Heating of Coronal Ions by Low-Frequency Kinetic Alfvén Waves", 2004ApJ...605L.149V [ADS](#)
- Voitenko, Y., Siverskyy, T., & Goossens, M., "Current driven kinetic Alfvén instabilities in the solar atmosphere", 2004cosp...35.4032V [ADS](#)
- Voitenko, Y. & Goossens, M., "Cross-field ion acceleration by intermittent kinetic Alfvén waves in space plasmas", 2004cosp...35.4011V [ADS](#)
- Voitenko, Y. & Goossens, M., "Nonlinear damping of MHD waves and origin of solar wind", 2004cosp...35.3973V [ADS](#)
- Chian, A. C. L., Goossens, M., Miranda, R. A., et al., "Radio signatures of Langmuir-Alfvén turbulence in the solar atmosphere", 2004IAUS..223..95C [ADS](#)
- van Doorsselaere, T., Andries, J., Poedt, S., & Goossens, M., "Damping of Coronal Loop Oscillations", 2004ESASP.547..453V [ADS](#)
- Voitenko, Y. & Goossens, M., "Ion Heating across the Magnetic Field in the Solar Corona by Kinetic Alfvén Waves", 2004ESASP.547..381V [ADS](#)
- Aschwanden, M. J., Nightingale, R. W., Andries, J., Goossens, M., & Van Doorsselaere, T., "Observational Tests of Damping by Resonant Absorption in Coronal Loop Oscillations", 2003ApJ...598.1375A [ADS](#)
- Goossens, M.: 2003, *An introduction to plasma astrophysics and magnetohydrodynamics*, Vol. 294 2003ASSL..294....G [ADS](#)
- Voitenko, Y., Goossens, M., Sirenko, O., & Chian, A. C. L., "Nonlinear excitation of kinetic Alfvén waves and whistler waves by electron beam-driven Langmuir waves in the solar corona", 2003A&A...409..331V [ADS](#)
- Voitenko, Y. & Goossens, M., "Kinetic Excitation Mechanisms for ION-Cyclotron Kinetic Alfvén Waves in Sun-Earth ConnectionI", 2003SSRv..107..387V [ADS](#)
- Voitenko, Y. & Goossens, M., "Nonlinear wave dynamics in the dissipation range", 2003PADEU..13..153V [ADS](#)
- Gubchenko, V. M., Biernat, H. K., & Goossens, M., "On the quasi-current-free electrodynamics of current-carrying hot space plasma", 2003AdSpR..31.1277G [ADS](#)
- Vanlommel, P., Debusscher, A., Andries, J., & Goossens, M., "Influence of a uniform coronal magnetic field on solar p-modes", 2002ESASP.506..893V [ADS](#)
- Goossens, M., Andries, J., & Aschwanden, M. J., "Damping of coronal loop oscillations by resonant absorption of quasi-mode kink oscillations", 2002ESASP.506..629G [ADS](#)
- Banerjee, D., O'Shea, E., Goossens, M., Poedts, S., & Doyle, J. G., "On the nature of umbral oscillations: theory and observation by CDS/SoHO", 2002ESASP.506..427B [ADS](#)
- Banerjee, D., O'Shea, E., Goossens, M., Doyle, J. G., & Poedts, S., "On the theory of MAG waves and a comparison with sunspot observations from CDS/SoHO", 2002A&A...395..263B [ADS](#)
- Goossens, M., Andries, J., & Aschwanden, M. J., "Coronal loop oscillations. An interpretation in terms of resonant absorption of quasi-mode kink oscillations", 2002A&A...394L..39G [ADS](#)
- de Groof, A. & Goossens, M., "Fast and Alfvén waves driven by azimuthal footpoint motions", 2002ESASP.505..389D [ADS](#)
- Andries, J. & Goossens, M., "Frame dependence of the negative energy wave formula?", 2002ESASP.505..341A [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., Goossens, M., & Poedts, S., "Slow MAG waves in the sunspot umbra as observed by CDS/SOHO", 2002ESASP.505..187B [ADS](#)
- Goossens, M., de Groof, A., & Andries, J., "Waves and oscillations in magnetic fields", 2002ESASP.505..137G [ADS](#)
- Voitenko, Y. & Goossens, M., "Nonlinear excitation of small-scale Alfvén waves by fast waves and plasma heating in the solar atmosphere", 2002SoPh..209..37V [ADS](#)
- Sirenko, O., Voitenko, Y., & Goossens, M., "Nonlinear interaction of kinetic Alfvén waves and radio waves in the solar corona", 2002A&A...390..725S [ADS](#)
- De Groof, A. & Goossens, M., "Fast and Alfvén waves driven by azimuthal footpoint motions. II. Random driver", 2002A&A...386..691D [ADS](#)
- De Groof, A., Paes, K., & Goossens, M., "Fast and Alfvén waves driven by azimuthal footpoint motions. I. Periodic driver", 2002A&A...386..681D [ADS](#)
- Voitenko, Y. & Goossens, M., "Excitation of high-frequency Alfvén waves by plasma outflows from coronal reconnection events", 2002SoPh..206..285V [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "Long-Period Oscillations in Polar Coronal Holes as Observed by CDS on SOHO", 2002mwoc.conf..19B [ADS](#)
- Vanlommel, P., Debusscher, A., Andries, J., & Goossens, M., "Influence of a uniform coronal magnetic field on solar p modes: coupling to slow resonant MHD waves", 2002SoPh..205....1V [ADS](#)
- Vanlommel, P., Debusscher, A., Andries, J., & Goossens, M., "Influence of a Uniform Coronal Magnetic Field on Solar p Modes: Coupling to Slow Resonant MHD Waves", 2002ASPC..259..480V [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "Signatures of very long period waves in the polar coronal holes", 2001A&A...380L..39B [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "Long period oscillations in the inter-plume regions of the Sun", 2001A&A...377..691B [ADS](#)
- Zhugzhda, Y. D. & Goossens, M., "Hidden problems of thin-flux-tube approximation", 2001A&A...377..330Z [ADS](#)
- Voitenko, Y., Goossens, M., & Marsch, E., "On the role of ion-cyclotron kinetic Alfvén waves in the solar wind: results from HELIOS and expectations for Solar Orbiter", 2001ESASP.493..411V [ADS](#)
- Andries, J. & Goossens, M., "The influence of resonant MHD wave coupling in the boundary layer on the reflection and transmission process", 2001A&A...375.1100A [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "The nature of network oscillations", 2001A&A...371.1137B [ADS](#)
- Andries, J. & Goossens, M., "Kelvin-Helmholtz instabilities and resonant flow instabilities for a coronal plume model with plasma pressure", 2001A&A...368.1083A [ADS](#)
- Erdélyi, R., Ballai, I., & Goossens, M., "Nonlinear resonant absorption of fast magnetoacoustic waves due to coupling into slow continua in the solar atmosphere", 2001A&A...368..662E [ADS](#)
- Voitenko, Y., Goossens, M., Yukhimuk, A., & Voytsekhovskaya, A., "Alfvén waves in space plasmas: dispersive and kinetic effects", 2001KosNT..7S..67V [ADS](#)
- Voitenko, Y. & Goossens, M., "Nonlinear Damping of Fast Waves and Plasma Heating in the Solar Corona", 2001IAUS..203..517V [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "Long Period Oscillations in Polar Plumes as observed by CDS on SoHO", 2001IAUS..203..244B [ADS](#)
- Pintér, B., Erdélyi, R., New, R., & Goossens, M., "Influence of equilibrium flows and the atmospheric magnetic field on solar oscillation modes", 2001ESASP.464..227P [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., Goossens, M., & Fleck, B., "On the nature of network oscillations", 2001ESASP.464..175B [ADS](#)
- Zhugzhda, Y. & Goossens, M., "Alternating current generation in flux tubes by pressure fluctuations", 2000AIPC..537..317Z [ADS](#)
- Voitenko, Y., Goossens, M., Shukla, P., & Stenflo, L., "Note on dispersive Alfvén waves in the solar corona", 2000AIPC..537..303V [ADS](#)

- Sirenko, O., Voitenko, Y., Goossens, M., & Yukhimuk, A., "Nonlinear coupling of O - and X -mode radio emission and Alfvén waves in the solar corona", 2000AIPC..537..287S [ADS](#)
- de Groot, A. & Goossens, M., "Resonant absorption in randomly driven coronal loops", 2000AIPC..537..208D [ADS](#)
- Chagelishvili, G. D., Tevzadze, A. G., & Goossens, M., "Linear dynamics of the solar convection zone: Excitation of waves in unstably stratified shear flows", 2000AIPC..537..200C [ADS](#)
- Banerjee, D., O'Shea, E., Doyle, J. G., & Goossens, M., "Long period oscillations in the polar plumes", 2000AIPC..537..160B [ADS](#)
- Ballai, I., Erdélyi, R., & Goossens, M., "Linear and nonlinear waves in dilute plasmas", 2000AIPC..537..152B [ADS](#)
- Ballai, I., Erdélyi, R., & Goossens, M., "Absorption of fast magnetosonic waves in the solar atmosphere in the limit of weak nonlinearity", 2000AIPC..537..144B [ADS](#)
- Andries, J. & Goossens, M., "Kelvin-Helmholtz instability and resonant flow instability in a 1-dimensional coronal plume model", 2000AIPC..537..136A [ADS](#)
- Voitenko, Y. & Goossens, M., "Kinetic Alfvén turbulence and non-thermal broadening in solar flares", 2000KFNTS...3..437V [ADS](#)
- Csik, Á. T., Čadež, V. M., & Goossens, M., "Frequency dependence of resonant absorption and over-reflection of magnetosonic waves in nonuniform structures with shear mass flow", 2000A&A...358.1090C [ADS](#)
- Voitenko, Y. & Goossens, M., "Competition of damping mechanisms for the phase-mixed Alfvén waves in the solar corona", 2000A&A...357.1086V [ADS](#)
- Voitenko, Y. & Goossens, M., "Nonlinear decay of phase-mixed Alfvén waves in the solar corona", 2000A&A...357.1073V [ADS](#)
- De Groot, A. & Goossens, M., "Randomly driven fast waves in coronal loops. II. with coupling to Alfvén waves", 2000A&A...356..724D [ADS](#)
- Andries, J., Tirry, W. J., & Goossens, M., "Modified Kelvin-Helmholtz Instabilities and Resonant Flow Instabilities in a One-dimensional Coronal Plume Model: Results for Plasma $\beta=0$ ", 2000ApJ...531..561A [ADS](#)
- Ruderman, M. S., Oliver, R., Erdélyi, R., Ballester, J. L., & Goossens, M., "Slow surface wave damping in plasmas with anisotropic viscosity and thermal conductivity", 2000A&A...354..261R [ADS](#)
- , "Waves in Dusty, Solar, and Space Plasmas", 2000AIPC..537....V [ADS](#)
- Voitenko, Y. M. & Goossens, M., "Turbulent Dynamics of Kinetic Alfvén Waves in a Transient Flare Loop", 1999ESASP.448..735V [ADS](#)
- Voitenko, Y. M. & Goossens, M., "Nonlinear Evolution and Interaction of Phase-Mixed Alfvén Waves in Solar Corona", 1999ESASP.448..409V [ADS](#)
- Vanlommel, P. & Goossens, M., "Influence of a Chromospheric Magnetic Field on Solar Acoustic Modes", 1999ESASP.448..399V [ADS](#)
- de Groot, A. & Goossens, M., "Randomly Driven Fast Waves in Coronal Loops", 1999ESASP.448..251D [ADS](#)
- Chagelishvili, G. D., Tevzadze, A. G., & Goossens, M., "Generation of Oscillations in the Solar Convection Zone: Linear Mechanism of Mode Conversion in Shear Flows", 1999ESASP.448..75C [ADS](#)
- Vanlommel, P. & Goossens, M., "Influence of a chromospheric magnetic field on solar acoustic modes", 1999SoPh..187..357V [ADS](#)
- Pintér, B. & Goossens, M., "Oscillations in a magnetic solar model. I. Parallel propagation in a chromospheric and coronal magnetic field with constant Alfvén speed", 1999A&A...347..321P [ADS](#)
- Stenuit, H., Tirry, W. J., Keppens, R., & Goossens, M., "Leaky and resonantly damped flux tube modes reconsidered", 1999A&A...342..863S [ADS](#)
- Csik, Á. T., Čadež, V. M., & Goossens, M., "Effects of mass flow on resonant absorption and on over-reflection of magnetosonic waves in low beta equilibrium solar plasmas", 1998A&A...339..215C [ADS](#)
- Tirry, W. J., Goossens, M., Pintér, B., Čadež, V., & Vanlommel, P., "Resonant Damping of Solar p -Modes by the Chromospheric Magnetic Field", 1998ApJ...503..422T [ADS](#)
- de Groot, A., Tirry, W. J., & Goossens, M., "Random driven fast waves in coronal loops. I. Without coupling to Alfvén waves", 1998A&A...335..329D [ADS](#)
- Tirry, W. J., Čadež, V. M., Erdélyi, R., & Goossens, M., "Resonant flow instability of MHD surface waves", 1998A&A...332..786T [ADS](#)
- Pintér, B., Čadež, V. M., & Goossens, M., "MHD eigenmodes in a semi-infinite structured solar atmosphere", 1998A&A...332..775P [ADS](#)
- Stenuit, H., Keppens, R., & Goossens, M., "Eigenfrequencies and optimal driving frequencies of 1D non-uniform magnetic flux tubes", 1998A&A...331..392S [ADS](#)
- Parhi, S., Goossens, M., & Lakhina, G. S., "Numerical simulation of twisted solar corona", 1998IAUS..185..467P [ADS](#)
- Ruderman, M. S., Goossens, M., Ballester, J. L., & Oliver, R., "Resonant Alfvén waves in coronal arcades driven by footpoint motions", 1997A&A...328..361R [ADS](#)
- Čadež, V. M., Csik, A., Erdélyi, R., & Goossens, M., "Absorption of magnetosonic waves in presence of resonant slow waves in the solar atmosphere.", 1997A&A...326.1241C [ADS](#)
- Tirry, W. J., Čadež, V. M., & Goossens, M., "MHD surface type quasi-modes of a current sheet model.", 1997A&A...324.1170T [ADS](#)
- Tirry, W. J., Berghmans, D., & Goossens, M., "Temporal evolution of resonant absorption in coronal loops. Excitation by footpoint motions normal to the magnetic surfaces.", 1997A&A...322..329T [ADS](#)
- Parhi, S., Pandey, B. P., Goossens, M., Lakhina, G. S., & de Bruyne, P., "MHD Study of Coronal Waves: A Numerical Approach", 1997Ap&SS.250..147P [ADS](#)
- Ruderman, M. S., Berghmans, D., Goossens, M., & Poedts, S., "Direct excitation of resonant torsional Alfvén waves by footpoint motions.", 1997A&A...320..305R [ADS](#)
- Poedts, S., Tirry, W., Berghmans, D., & Goossens, M., "MHD wave heating of coronal loops", 1997jena.conf..54P [ADS](#)
- Parhi, S., Pandey, B. P., Goossens, M., Lakhina, G. S., & de Bruyne, P., "Nonlinear development of MHD waves in coronal loops", 1997AdSpR..19.1891P [ADS](#)
- Berghmans, D., de Bruyne, P., & Goossens, M., "The Footpoint-driven Coronal Sausage Wave", 1996ApJ...472..398B [ADS](#)
- Ruderman, M. S. & Goossens, M., "Slow Resonant MHD Waves in One-dimensional Magnetic Plasmas with Anisotropic Viscosity and Thermal Conductivity", 1996ApJ...471.1015R [ADS](#)
- Tirry, W. J. & Goossens, M., "Quasi-Modes as Dissipative Magnetohydrodynamic Eigenmodes: Results for One-dimensional Equilibrium States", 1996ApJ...471..501T [ADS](#)
- Pintér, B., Čadež, V. M., & Goossens, M., "Trapped waves in open stellar atmospheres.", 1996POBeo..54..59P [ADS](#)
- Ruderman, M. S., Verwichte, E., Erdélyi, R., & Goossens, M., "Dissipative instability of the MHD tangential discontinuity in magnetized plasmas with anisotropic viscosity and thermal conductivity", 1996JPlPh..56..285R [ADS](#)
- Erdélyi, R. & Goossens, M., "Effects of flow on resonant absorption of MHD waves in viscous MHD.", 1996A&A...313..664E [ADS](#)
- Parhi, S., De Bruyne, P., Murawski, K., Goossens, M., & Devore, C. R., "Numerical Simulations of Driven MHD Waves in Coronal Loops", 1996SoPh..167..181P [ADS](#)
- Ruderman, M. S. & Goossens, M., "Unified theory of damping of linear surface Alfvén waves in inhomogeneous incompressible plasmas", 1996JPlPh..56..107R [ADS](#)
- Tirry, W. J. & Goossens, M., "Quasi-modes as dissipative MHD eigenmodes : results for 1-dimensional equilibrium states", 1996AA...188.3609T [ADS](#)
- Zhelyazkov, I., Murawski, K., & Goossens, M., "MHD Surface Waves in a Complex (Longitudinal + Sheared) Magnetic Field", 1996SoPh..165..99Z [ADS](#)
- Murawski, K., DeVore, C. R., Parhi, S., & Goossens, M., "Numerical simulations of MHD wave excitation in bounded plasma slabs", 1996P&SS..44..253M [ADS](#)
- Ghizaru, M. S. & Goossens, M., "Numerical Model for the Study of Wave-Mean Flow Interactions in Solar Magnetohydrodynamics", 1996RoAJ....6..21G [ADS](#)
- Pintér, B., Erdélyi, R., & Goossens, M., "The Linear Spectrum of Twisted Magnetic Flux Tubes in Viscous MHD", 1996ApL&C..34..169P [ADS](#)
- de Bruyne, P., Parhi, S., & Goossens, M., "Numerical Simulation of Driven MHD Waves in Twisted Coronal Loops", 1996ApL&C..34..163D [ADS](#)
- Goossens, M. & Ruderman, M., "MHD waves in magnetic flux tubes.", 1996ASIC..481..61G [ADS](#)
- Tirry, W. J. & Goossens, M., "Dissipative MHD solutions for resonant Alfvén waves in two-dimensional poloidal magnetoplasmas", 1995JGR..10023687T [ADS](#)
- Stenuit, H., Erdélyi, R., & Goossens, M., "A simple numerical scheme for the computation of resonant Alfvén waves", 1995SoPh..161..139S [ADS](#)
- Erdélyi, R., Goossens, M., & Ruderman, M. S., "Analytic solutions for resonant Alfvén waves in 1D magnetic flux tubes in dissipative stationary MHD", 1995SoPh..161..123E [ADS](#)
- Ruderman, M. S. & Goossens, M., "Surface Alfvén waves of negative energy", 1995JPlPh..54..149R [ADS](#)
- Ruderman, M. S., Tirry, W., & Goossens, M., "Non-stationary resonant Alfvén surface waves in one-dimensional magnetic plasmas", 1995JPlPh..54..129R [ADS](#)
- Parhi, S., De Bruyne, P., Goossens, M., & Zhelyazkov, I., "Study of nonlinear MHD equations governing the wave propagation in twisted coronal loops", 1995sow1.conf..28P [ADS](#)
- Goossens, M., Ruderman, M. S., & Hollweg, J. V., "Dissipative MHD solutions for resonant Alfvén waves in 1-dimensional magnetic flux tubes", 1995SoPh..157..75G [ADS](#)

- Erdelyi, R. & Goossens, M., "Resonant absorption of Alfvén waves in coronal loops in visco-resistive MHD.", 1995A&A...294..575E [ADS](#)
- Goossens, M. & Ruderman, M. S., "Conservation laws and connection formulae for resonant MHD waves", 1995PhST...60..171G [ADS](#)
- Keppens, R., Bogdan, T. J., & Goossens, M., "Multiple Scattering and Resonant Absorption of p-Modes by Fibril Sunspots", 1994ApJ...436..372K [ADS](#)
- Goossens, M., "Book Review: Solar wind seven / Pergamon Press, 1992", 1994SSRv...69..207M [ADS](#)
- Murawski, K. & Goossens, M., "Operator splitting for multidimensional magnetohydrodynamics", 1994JGR....9911569M [ADS](#)
- Murawski, K. & Goossens, M., "Excitation of nonlinear MHD waves by foot-point motions", 1994A&A...286..952M [ADS](#)
- Murawski, K. & Goossens, M., "Flux corrected transport method for MHD plasma: description of the numerical algorithm and tests", 1994A&A...286..943M [ADS](#)
- Goossens, M., "Alfvén wave heating", 1994SSRv...68..51G [ADS](#)
- Zhelyazko, I., Murawski, K., Goossens, M., Nenovaki, P., & Roberts, B., "Modulations of slow sausage surface waves travelling along a magnetized slab", 1994JP1Ph..51..291Z [ADS](#)
- Hood, A. W., de Bruyne, P., van der Linden, R. A. M., & Goossens, M., "WKB Estimates for the Onset of Ideal Magnetohydrodynamic Instabilities in Solar Coronal Loops", 1994SoPh..150..99H [ADS](#)
- Erdelyi, R. & Goossens, M., "Viscous computations of resonant absorption of MHD waves in flux tubes by fem", 1994Ap&SS.213..273E [ADS](#)
- Erdelyi, R. & Goossens, M., "Linear Visco-Resistive Computations of Magnetohydrodynamic Waves II. Viscous Effects", 1994scs..conf..506E [ADS](#)
- Erdelyi, R., Goossens, M., & Poedts, S., "Linear Visco-Resistive Computations of Magnetohydrodynamics Waves I. The Code and Test Cases", 1994scs..conf..503E [ADS](#)
- Murawski, K. & Goossens, M., "Random velocity field corrections to the f-mode. 3: A photospheric random flow and chromospheric magnetic field", 1993A&A...279..225M [ADS](#)
- Stenuit, H., Poedts, S., & Goossens, M., "Total Resonant Absorption of Acoustic Oscillations in Sunspots", 1993SoPh..147..13S [ADS](#)
- Goossens, M. & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part Four", 1993SoPh..145..19G [ADS](#)
- Keppens, R., van der Linden, R. A. M., & Goossens, M., "Non-adiabatic discrete Alfvén waves in coronal loops and prominences", 1993SoPh..144..267K [ADS](#)
- Ruderman, M. S. & Goossens, M., "Nonlinearity effects on resonant absorption of surface Alfvén waves in incompressible plasmas", 1993SoPh..143..69R [ADS](#)
- Ireland, R. C., van der Linden, R. A. M., Hood, A. W., & Goossens, M., "The Thermal Continuum in Coronal Loops - the Influence of Finite Resistivity on the Continuous Spectrum", 1992SoPh..142..265I [ADS](#)
- Vanderlinden, R. A. M. & Goossens, M., "The magnetothermal stability of radially stratified line-tied coronal loops.", 1992ESASP.348..269V [ADS](#)
- van der Linden, R. A. M., Goossens, M., & Hood, A. W., "The relevance of the ballooning approximation for magnetic, thermal, and coalesced magnetothermal instabilities", 1992SoPh..140..317V [ADS](#)
- Hollweg, J. V. & Goossens, M., "Total Absorption of Sound Waves by Solar Magnetic Flux Tubes", 1992AAS...180.1702H [ADS](#)
- Goossens, M., Hollweg, J. V., & Sakurai, T., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part Three", 1992SoPh..138..233G [ADS](#)
- Goossens, M. & Poedts, S., "Linear Resistive Magnetohydrodynamic Computations of Resonant Absorption of Acoustic Oscillations in Sunspots", 1992ApJ...384..348G [ADS](#)
- Stift, M. J. & Goossens, M., "Modelling stellar surface magnetic fields. I. Search strategies and uniqueness.", 1991A&A...251..139S [ADS](#)
- van der Linden, R. A. M. & Goossens, M., "The Thermal Continuum in Coronal Loops - Instability Criteria and the Influence of Perpendicular Thermal Conduction", 1991SoPh..134..247V [ADS](#)
- Poedts, S. & Goossens, M., "On Poloidal Mode Coupling in the Continuous Spectrum of 2d Equilibria", 1991SoPh..133..281P [ADS](#)
- Sakurai, T., Goossens, M., & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes II. Absorption of Sound Waves by Sunspots", 1991SoPh..133..247S [ADS](#)
- Sakurai, T., Goossens, M., & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part One", 1991SoPh..133..227S [ADS](#)
- Bogaert, E. & Goossens, M., "The Visco Resistive Stability of Arcades in the Corona of the Sun", 1991SoPh..132..109B [ADS](#)
- van Eester, D., Goossens, M., & Poedts, S., "Analytical study of plasma heating by resonant absorption of the modified external kink mode", 1991JP1Ph..45..3V [ADS](#)
- Goossens, M., "Resonant Absorption of MHD Waves in Magnetic Loops in the Solar Corona", 1991mcch.conf..480G [ADS](#)
- Goossens, M., "Magnetohydrodynamic waves and wave heating in non-uniform plasmas", 1991gamp.conf..137G [ADS](#)
- Goossens, M., "Magnetohydrodynamic Waves and Wave Heating in Nonuniform Plasmas", 1991assm.conf..137G [ADS](#)
- van der Linden, R. A. M. & Goossens, M., "Thermal instability in slab geometry in the presence of anisotropical thermal conduction", 1991SoPh..131..79V [ADS](#)
- Poedts, S., Goossens, M., & Kerner, W., "On the Efficiency of Coronal Loop Heating by Resonant Absorption", 1990ApJ...360..279P [ADS](#)
- Goossens, M. & Kerner, W., "Problems in the numerical modelling of plasmas. Invited review papers. 4. European Workshop on Problems in the Numerical Modelling of Plasmas (NUMOP 89), Spitzingsee (Germany, F.R.), 1 - 5 Oct 1989.", 1990CoPhR..12.....G [ADS](#)
- Hermans, D., Kerner, W., & Goossens, M., "Linearly overstable magnetic convection in 1D compressible and non-uniform plasmas", 1990CoPhC..59..127H [ADS](#)
- Poedts, S., Goossens, M., & Kerner, W., "Temporal evolution of resonant absorption in solar coronal loops", 1990CoPhC..59..95P [ADS](#)
- Poedts, S., Goossens, M., & Kerner, W., "Numerical simulation of the stationary state of periodically driven coronal loops", 1990CoPhC..59..75P [ADS](#)
- van der Linden, R. A. M., Goossens, M., & Kerner, W., "A combined finite element/Fourier series method for the numerical study of the stability of line-tied magnetic plasmas", 1990CoPhC..59..61V [ADS](#)
- Goossens, M. & Kerner, W., "Problems in the numerical modelling of plasmas. Contributed papers. 4. European Workshop on Problems in the Numerical Modelling of Plasmas (NUMOP 89), Spitzingsee (Germany, F.R.), 1 - 5 Oct 1989.", 1990CoPhC..59..55..G [ADS](#)
- Hermans, D., Goossens, M., & Kerner, W., "Overstable slow-gravity modes in a thermally conducting MHD plasma-slab", 1990A&A...231..259H [ADS](#)
- van der Linden, R. A. M. & Goossens, M., "Thermal Instability in Planar Solar Coronal Structures", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 276 1990LNP...363..276V [ADS](#)
- Hermans, D. & Goossens, M., "Dynamic stabilization of unstable gravity modes by magnetic fields in non-uniform and compressible plasma", 1989A&A...225..569H [ADS](#)
- Hood, A. W., van der Linden, R., & Goossens, M., "A formulation of non-ideal localized (or ballooning) modes in the solar corona", 1989SoPh..120..261H [ADS](#)
- Poedts, S., Kerner, W., & Goossens, M., "Alfvén-wave heating in resistive MHD", 1989JP1Ph..42..27P [ADS](#)
- Poedts, S., Goossens, M., & Kerner, W., "Numerical simulation of coronal heating by resonant absorption of Alfvén waves", 1989SoPh..123..83P [ADS](#)
- Poedts, S., Goossens, M., & Kerner, W., "Coronal heating by resonant absorption in resistive MHD.", 1989plap.work..107P [ADS](#)
- Goedbloed, J. P., Goossens, M., & Poedts, S., "Kink modes in coronal loops.", 1989plap.work..103G [ADS](#)
- van der Linden, R. A. M. & Goossens, M., "Thermal Instability in Planar Solar Coronal Structures", 1989HvaOB..13..289V [ADS](#)
- Cuypers, J., Lampens, P., & Goossens, M., "Deposit of observations of beta Cephei stars in the IUA archives of unpublished photoelectric observations of variable stars.", 1988BICDS..35..155C [ADS](#)
- van der Linden, R., Goossens, M., & Hood, A. W., "The Effects of Parallel and Perpendicular Viscosity on Resistive Ballooning Modes in Line-Tied Coronal Magnetic Fields", 1988SoPh..115..235V [ADS](#)
- Poedts, S. & Goossens, M., "The continuous spectrum of MHD waves in 2-D solar loops and arcades - Parametric study of poloidal mode coupling for poloidal magnetic fields", 1988A&A...198..331P [ADS](#)
- Hermans, D., Goossens, M., Kerner, W., & Lerbinger, K., "Linear spectrum of magnetostatic and thermally conducting planar plasmas", 1988PhFl...31..547H [ADS](#)
- Hermans, D., Goossens, M., Kerner, W., & Lerbinger, K., "Overstable Convection in a Non-Uniform Magnetic Field", 1988IAUS..123..395H [ADS](#)
- Poedts, S. & Goossens, M., "The Continuous Spectrum of Magnetohydrodynamic Waves in 2d Solar Loops and Arcades - First Results on Poloidal Mode Coupling for Poloidal Magnetic Fields", 1987SoPh..109..265P [ADS](#)
- Vanderlinden, R., Goossens, M., & Hood, A. W., "The effects of viscosity on resistive ballooning modes in line-tied coronal magnetic fields.", 1987ESASP.275..109V [ADS](#)
- Poedts, S. & Goossens, M., "Poloidal mode coupling of Alfvén continuum modes in 2D coronal loops.", 1987rfsm.conf..277P [ADS](#)
- Poedts, S. & Goossens, M., "Poloidal Mode Coupling of Alfvén Continuum Modes in 2D Coronal Loops", 1987rfsm.conf..272P [ADS](#)
- Hermans, D. & Goossens, M., "The Alfvén-gravity spectrum of an incompressible slab", 1987A&A...172..85H [ADS](#)
- Steinolfson, R. S., Priest, E. R., Poedts, S., Nocera, L., & Goossens, M., "Viscous Normal Modes on Coronal Inhomogeneities and Their Role as a Heating Mechanism", 1986ApJ...304..526S [ADS](#)

- Goossens, M., Poedts, S., & Hermans, D., "On the existence of the continuous spectrum of ideal MHD in a 2D magnetostatic equilibrium.", 1985SoPh..102...51G [ADS](#)
- Poedts, S., Hermans, D., & Goossens, M., "The continuous spectrum of an axisymmetric self-gravitating and static equilibrium with a mixed poloidal and toroidal magnetic field", 1985A&A...151...16P [ADS](#)
- Goossens, M. & Hereygers, G., "Axisymmetric force-free stellar magnetospheres", 1985A&A...149...253G [ADS](#)
- Poedts, S., Goossens, M., & Hermans, D., "The continuous spectrum of an axisymmetric equilibrium with a mixed poloidal and toroidal magnetic field and with gravity included.", 1984ESASP.220..201P [ADS](#)
- Hermans, D., Goossens, M., & Polfliet, R., "Linear incompressible magnetoconvection in a planar layer with a non-uniform horizontal magnetic field.", 1984ESASP.220..199H [ADS](#)
- Hermans, D., Goossens, M., & Poedts, S., "The Continuous Spectrum of AN Axisymmetric Self-Gravitating Equilibrium in the Presence of a Poloidal Magnetic Field", 1984ESASP.207..297H [ADS](#)
- Goossens, M., Lampens, P., de Maerschalck, D., & Schrooten, M., "Light variability of sigma Scorpii.", 1984A&A...140..223G [ADS](#)
- Hermans, D., Goossens, M., & Polfliet, R., "Linear Stability of an Incompressible Horizontal Layer with a Non-uniform Horizontal Magnetic Field", 1984LIACo..25..387H [ADS](#)
- Goossens, M., Hermans, D., & Poedts, S., "Continuous Spectra of Oscillation Frequencies of an Axisymmetric Incompressible Equilibrium with a Poloidal Magnetic field", 1984LIACo..25..382G [ADS](#)
- Goossens, M., Lampens, P., de Maerschalck, D., & Schrooten, M., "Light variations of Sigma Sco (conference paper)", 1983HvaOB..7..215G [ADS](#)
- Biront, D., Goossens, M., Cousens, A., & Mestel, L., "A singular perturbation approach to the effect of a weak magnetic field on stellar oscillations", 1982MNRAS.201..619B [ADS](#)
- Lampens, P. & Goossens, M., "Frequency analyses of light and radial velocity observations of alf Lup.", 1982A&A...115..413L [ADS](#)
- van Assche, W., Goossens, M., & Tayler, R. J., "Unstable poloidal magnetic fields in stars", 1982A&A...109..166V [ADS](#)
- Goossens, M., van Assche, W., Demoitie, R., & Gadeyne, L., "The magnetic field surface structure of HD 215441", 1982Ap&SS..83..213G [ADS](#)
- Lampens, P., Goossens, M., & Cuypers, J., "Frequency Analyses of Light and Radial Observations - Observations of - LUPI and - Crucis", 1982pccv.conf..317L [ADS](#)
- Biront, D., Cousens, A., Goossens, M., & Mestel, L., "Composite Boundary Layer Approximation for Adiabatic Pulsation in Stars with a Magnetic Field", 1982pccv.conf..257B [ADS](#)
- Goossens, M., "A contribution to the study of the stability and oscillations of stars with a magnetic field.", 1982MeBel..44..23G [ADS](#)
- Cuypers, J. & Goossens, M., "Frequency Analysis of Photometric Observations of the Beta-Cephei Star Nu-Eridani", 1981A&AS...45..487C [ADS](#)
- Goossens, M., Biront, D., & Tayler, R. J., "Additional Results for Unstable Stratified Toroidal Magnetic Fields in Stars", 1981Ap&SS..75..521G [ADS](#)
- Goossens, M., Martens, L., & Gadeyne, L., "On the effective magnetic field of an oblique rotating star with an axisymmetric magnetic field", 1981A&A...95..240G [ADS](#)
- Biront, D., Goossens, M., Cousens, A., & Mestel, L., "The influence of a magnetic field on the oscillations of early-type stars", 1981LIACo..23..337B [ADS](#)
- Goossens, M. & van Assche, W., "Axisymmetric and mixed poloidal-toroidal magnetic fields for HD 215441 and 53 Cam", 1981LIACo..23..277G [ADS](#)
- Goossens, M. & Biront, D., "The Effect of a Magnetic Field on Stellar Pulsations as a Singular Perturbation Problem", 1980SSRv...27..661G [ADS](#)
- Goossens, M. & Tayler, R. J., "On unstably stratified toroidal magnetic fields in stars", 1980MNRAS.193..833G [ADS](#)
- Goossens, M. & Biront, D., "Omicron-Stability Analysis of Hydromagnetic Instabilities in Stars with Toroidal Magnetic Fields", 1980SSRv...27..667G [ADS](#)
- Goossens, M. & Waelkens, C., "Periods and Photographic Mean Light Curves of 17 Long Period Variables in a Field around alpha= 17h, delta= -70d", 1980IBVS.1828....1G [ADS](#)
- Goossens, M., Stoop, C., & Waelkens, C., "Periods and Mean Light Curves of 22 Long Period Variables in a Field Centered at alpha= 13h, delta= -70d", 1980IBVS.1760....1G [ADS](#)
- Goossens, M., "-stability analysis of toroidal magnetic fields in stars", 1980GApFD..15..123G [ADS](#)
- Goossens, M., "The effective magnetic field of an oblique rotating star with an irrotational and axisymmetric surface distribution of magnetic field.", 1979A&A...79..210G [ADS](#)
- Hensberge, H., van Rensbergen, W., Goossens, M., & Deridder, G., "On the orientation of magnetic and rotation axes in Ap stars. II. Results.", 1979A&A...75..83H [ADS](#)
- Goossens, M., "Unrestricted Second-Order Tensor Virial Equations for Linear Oscillations of Magnetic Configurations", 1979Ap&SS..60..401G [ADS](#)
- Smeyers, P. & Goossens, M., "On the Lamb Frequencies of Spherical Gaseous Star", 1979GApFD..11..237S [ADS](#)
- Goossens, M. & Veugelen, R., "Hydromagnetic Instabilities in Polytropic Stars Containing Toroidal Magnetic Fields", 1978A&A...70..277G [ADS](#)
- Goossens, M. & Cornette, J., "Application of the Method of Matched Asymptotic Expansions to the Radial Oscillations of a Magnetic Cylinder", 1978Ap&SS..58..227G [ADS](#)
- Smeyers, P. & Goossens, M., "On the Lamb frequencies of a spherical gaseous star.", 1978GApFD..11..237S [ADS](#)
- Goossens, M., "The Effect of a Poloidal Magnetic Field on the Linear and Adiabatic Oscillations of a Polytrope $n=2$ ", 1977Ap&SS..52...3G [ADS](#)
- Hensberge, H., van Rensbergen, W., Goossens, M., & Deridder, G., "On the orientation of magnetic and rotation axes in Ap stars. Theory of the decentred magnetic dipole.", 1977A&A...61..235H [ADS](#)
- Goossens, M., "Non-Radial Oscillations and Stability of a Polytrope $n=3$ with a Toroidal Magnetic Field", 1976Ap&SS..44..397G [ADS](#)
- Goossens, M., "Non-Radial Oscillations and Stability of Prendergast's Model", 1976Ap&SS..43...9G [ADS](#)
- Goossens, M., Smeyers, P., & Denis, J., "Stellar Oscillations and Magnetic Field Perturbations of the Boundary Conditions", 1976Ap&SS..39..257G [ADS](#)
- Goossens, M. & Smeyers, P., "Gravity Modes in Composite Polytropic Stars", 1974Ap&SS..26..137G [ADS](#)
- Deurinck, R. & Goossens, M., "First Ephemerides of Five Variable Stars in Eridanus and Fornax", 1973IBVS..792....1D [ADS](#)
- Goossens, M., "Perturbation of the Radial and Non-Radial Oscillations of a Star by a Magnetic Field", 1972Ap&SS..16..386G [ADS](#)