

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

- Mombarg, J. S. G., Dotter, A., Rieutord, M., et al., “Predictions for Gravity-mode Periods and Surface Abundances in Intermediate-mass Dwarfs from Shear Mixing and Radiative Levitation”, 2022ApJ...925..154M ADS
- Le Dizès, C., Rieutord, M., & Charpinet, S., “Seismology of Altair with MOST”, 2021A&A...653A..26L ADS
- Reese, D. R., Mirouh, G. M., Espinosa Lara, F., Rieutord, M., & Putigny, B., “Oscillations of 2D ESTER models. I. The adiabatic case”, 2021A&A...645A..46R ADS
- Gagnier, D. & Rieutord, M., “Stress-driven spin-down of a viscous fluid within a spherical shell”, 2020JFM...904A..35G ADS
- “Multi-Dimensional Processes In Stellar Physics”, 2020mdps.conf....R ADS
- Bouchaud, K., Domiciano de Souza, A., Rieutord, M., Reese, D. R., & Kervella, P., “A realistic two-dimensional model of Altair”, 2020A&A...633A..78B ADS
- Antoci, V., Cunha, M. S., Bowman, D. M., et al., “The first view of δ Scuti and γ Doradus stars with the TESS mission”, 2019MNRAS.490.4040A ADS
- Iorio, L., Rieutord, M., Rozelot, J.-P., & Domiciano de Souza, A., “Classical and general relativistic post-Keplerian effects in binary pulsars hosting fast rotating main sequence stars”, 2019EPJC...79..690I ADS
- Rieutord, M., “Core overshooting under the light of fluid dynamics”, 2019EAS...82..153R ADS
- Tremblay, B., Roudier, T., Cossette, J.-F., et al., “Neural Network to Emulate Numerical Simulations of the Sun and Infer Synthetic Observations for Data Assimilation”, 2019shin.confE..30T ADS
- Gagnier, D., Rieutord, M., Charbonnel, C., Putigny, B., & Espinosa Lara, F., “Evolution of rotation in rapidly rotating early-type stars during the main sequence with 2D models”, 2019A&A...625A..89G ADS
- Gagnier, D., Rieutord, M., Charbonnel, C., Putigny, B., & Espinosa Lara, F., “Critical angular velocity and anisotropic mass loss of rotating stars with radiation-driven winds”, 2019A&A...625A..88G ADS
- Rovira-Navarro, M., Rieutord, M., Gerkema, T., et al., “Do tidally-generated inertial waves heat the subsurface oceans of Europa and Enceladus?”, 2019Icar...321..126R ADS
- Raynaud, R., Rieutord, M., Petitdemange, L., Gastine, T., & Putigny, B., “Gravity darkening in late-type stars”, 2018sf2a.conf...91R ADS
- Rovira-Navarro, M., Rieutord, M., Gerkema, T., et al., “Tidally-induced inertial waves in the subsurface ocean of Enceladus”, 2018AGUFM.P33A..03R ADS
- Domiciano de Souza, A., Bouchaud, K., Rieutord, M., Espinosa Lara, F., & Putigny, B., “The evolved fast rotator Sargas. Stellar parameters and evolutionary status from VLT/PIONIER and VLT/UVES”, 2018A&A...619A.167D ADS
- Rincon, F. & Rieutord, M., “The Sun’s supergranulation”, 2018LRSP...15....6R ADS
- Reese, D. R., Dupret, M.-A., & Rieutord, M., “Mode Identification in Rapidly Rotating Stars from BRIDE Data”, 2018pas8.conf...80R ADS
- Rieutord, M. & Valdetaro, L., “Axisymmetric inertial modes in a spherical shell at low Ekman numbers”, 2018JFM...844..597R ADS
- Tremblay, B., Roudier, T., Rieutord, M., & Vincent, A., “Reconstruction of Horizontal Plasma Motions at the Photosphere from Intensitygrams: A Comparison Between DeepVel, LCT, FLCT, and CST”, 2018SoPh...293..57T ADS
- Roudier, T., Švanda, M., Ballot, J., Malherbe, J. M., & Rieutord, M., “Large-scale photospheric motions determined from granule tracking and helioseismology from SDO/HMI data”, 2018A&A...611A..92R ADS
- Hypolite, D., Mathis, S., & Rieutord, M., “The 2D dynamics of radiative zones of low-mass stars”, 2018A&A...610A..35H ADS
- Raynaud, R., Rieutord, M., Petitdemange, L., Gastine, T., & Putigny, B., “Gravity darkening in late-type stars. I. The Coriolis effect”, 2018A&A...609A.124R ADS
- Mirouh, G. M., Reese, D. R., Rieutord, M., & Ballot, J., “Non-adiabatic oscillations of fast-rotating stars: the example of Rasalhague”, 2017sf2a.conf...103M ADS
- Hypolite, D., Mathis, S., & Rieutord, M., “The 2D dynamics of the differentially rotating envelope of massive stars”, 2017IAUS...329..409H ADS
- Rieutord, M., “On the oscillation spectrum of a magnetized core in a giant star”, 2017EPJWC.16002011R ADS
- Reese, D. R., Dupret, M.-A., & Rieutord, M., “Non-adiabatic pulsations in ESTER models”, 2017EPJWC.16002007R ADS
- Hypolite, D., Mathis, S., & Rieutord, M., “2D dynamics of the radiative core of low mass stars”, 2017EPJWC.16002006H ADS
- Zorec, J., Rieutord, M., Espinosa Lara, F., et al., “Gravity darkening in stars with surface differential rotation”, 2017A&A...606A..32Z ADS
- Backus, G. & Rieutord, M., “Completeness of inertial modes of an incompressible inviscid fluid in a corotating ellipsoid”, 2017PhRvE...95e3116B ADS
- Rincon, F., Roudier, T., Schekochihin, A. A., & Rieutord, M., “Supergranulation and multiscale flows in the solar photosphere. Global observations vs. a theory of anisotropic turbulent convection”, 2017A&A...599A..69R ADS
- Guenel, M., Mathis, S., Baruteau, C., & Rieutord, M., “Tidal dissipation by inertial waves in differentially rotating convective envelopes of low-mass stars”, 2016arXiv161205071G ADS
- Hypolite, D., Mathis, S., & Rieutord, M., “2D dynamics of the radiation zone of low mass stars”, 2016arXiv160900592H ADS
- Mirouh, G. M., Baruteau, C., Rieutord, M., & Ballot, J., “Gravito-inertial waves in a differentially rotating spherical shell”, 2016JFM...800..213M ADS
- Rieutord, M., Espinosa Lara, F., & Putigny, B., “An algorithm for computing the 2D structure of fast rotating stars”, 2016JCoPh.318..277R ADS
- Roudier, T., Malherbe, J. M., Rieutord, M., & Frank, Z., “Relation between trees of fragmenting granules and supergranulation evolution”, 2016A&A...590A.121R ADS
- Guenel, M., Baruteau, C., Mathis, S., & Rieutord, M., “Tidal inertial waves in differentially rotating convective envelopes of low-mass stars. I. Free oscillation modes”, 2016A&A...589A..22G ADS
- Rieutord, M., “Physical Processes Leading to Surface Inhomogeneities: The Case of Rotation”, in J.-P. Rozelot and C. Neiner (Eds.), Lecture Notes in Physics, Berlin Springer Verlag, Vol. 914, 101 2016LNP...914..101R ADS
- Rieutord, M., “Two-dimensional models of early-type fast rotating stars: the ESTER project”, 2016IAUFM..29B.147R ADS
- Guenel, M., Baruteau, C., Mathis, S., & Rieutord, M., “Free inertial modes in differentially rotating convective envelopes of low-mass stars : numerical exploration”, 2015sf2a.conf..371G ADS
- Meunier, N., Lagrange, A. M., Borgniet, S., & Rieutord, M., “Using the Sun to estimate Earth-like planet detection capabilities. VI. Simulation of granulation and supergranulation radial velocity and photometric time series”, 2015A&A...583A.118M ADS
- Mirouh, G. M., Baruteau, C., Rieutord, M., & Ballot, J., “Gravito-inertial modes in a differentially rotating spherical shell”, 2015EPJWC.10106046M ADS
- Rieutord, M., “Two-dimensional models of fast rotating early-type stars”, 2015IAUGA..2252835R ADS
- Malherbe, J. M., Roudier, T., Frank, Z., & Rieutord, M., “Families of Granules, Flows, and Acoustic Events in the Solar Atmosphere from Hinode Observations”, 2015SoPh...290..321M ADS
- Rieutord, M.: 2015, *Fluid Dynamics: An Introduction* 2015fldy.book....R ADS
- Mirouh, G. M., Baruteau, C., Rieutord, M., & Ballot, J., “Gravito-inertial modes in a differentially rotating spherical shell”, 2014sf2a.conf..493M ADS
- Guenel, M., Baruteau, C., Mathis, S., & Rieutord, M., “Inertial waves in differentially rotating low-mass stars and tides”, 2014sf2a.conf..233G ADS
- Rieutord, M., “Magnetohydrodynamics and Solar Physics”, 2014sf2a.conf...45R ADS
- Hypolite, D. & Rieutord, M., “Dynamics of the envelope of a rapidly rotating star or giant planet in gravitational contraction”, 2014A&A...572A..15H ADS
- Mirouh, G. M., Baruteau, C., Rieutord, M., & Ballot, J., “Gravito-inertial modes in a differentially rotating spherical shell”, 2014arXiv1410.3655M ADS
- Rieutord, M. & Beth, A., “Dynamics of the radiative envelope of rapidly rotating stars: Effects of spin-down driven by mass loss”, 2014A&A...570A..42R ADS
- Domiciano de Souza, A., Kervella, P., Moser Faes, D., et al., “The environment of the fast rotating star Achernar. III. Photospheric parameters revealed by the VLTI”, 2014A&A...569A..10D ADS
- Mirouh, G. M., Reese, D. R., Lara, F. E., Ballot, J., & Rieutord, M., “Asteroseismology of fast-rotating stars: the example of α Ophiuchi”, 2014IAUS...301..455M ADS
- Reese, D. R., Lara, F. E., & Rieutord, M., “Pulsations of rapidly rotating stars with compositional discontinuities”, 2014IAUS...301..169R ADS
- Rieutord, M. & Espinosa Lara, F., “Two-dimensional models of early-type fast rotating stars: new challenges in stellar physics”, 2013EAS...63..385R ADS
- Rieutord, M. & Espinosa, L. F., “Present status of two-dimensional ESTER models: Application to Be stars”, 2013sf2a.conf..101R ADS
- Rieutord, M., “Modeling rotating stars in two dimensions”, 2013EAS...62..307R ADS
- Švanda, M., Roudier, T., Rieutord, M., Burston, R., & Gizon, L., “Comparison of Solar Surface Flows Inferred from Time-Distance Helioseismology and Coherent Structure Tracking Using HMI/SDO Observations”, 2013ApJ...771...32S ADS
- Rieutord, M.: 2013, *ESTER: Evolution STEllaire en Rotation*, Astrophysics Source Code Library, record ascl:1305.001 2013ascl.soft05001R ADS

- Roudier, T., Rieutord, M., Prat, V., et al., “Comparison of solar horizontal velocity fields from SDO/HMI and Hinode data”, 2013A&A...552A.113R ADS
- Espinosa Lara, F. & Rieutord, M., “Self-consistent 2D models of fast-rotating early-type stars”, 2013A&A...552A...35E ADS
- Baruteau, C. & Rieutord, M., “Inertial waves in a differentially rotating spherical shell”, 2013JFM...719...47B ADS
- Rieutord, M. & Espinosa Lara, F., “Ab Initio Modelling of Steady Rotating Stars”, in M. Goupil, K. Belkacem, C. Neiner, F. Lignières, and J. J. Green (Eds.), Lecture Notes in Physics, Berlin Springer Verlag, Vol. 865, 49 2013LNP...865...49R ADS
- Suárez, J. C., Goupil, M. J., Reese, D. R., et al., “Rotation Effects as Possible Responsible for the Surface Effects on the Sun and Solar-Type Stars”, 2013ASSP...31...197S ADS
- Espinosa Lara, F. & Rieutord, M., “Gravity darkening in binary stars”, 2012A&A...547A...32E ADS
- Ballot, J., Lignières, F., Prat, V., Reese, D. R., & Rieutord, M., “2D Computations of g-modes in Fast Rotating Stars”, 2012ASPC...462...389B ADS
- Rieutord, M., “Solar Astronomy and its Wealth of Data”, 2012ASPC...461...457R ADS
- Rieutord, M., Triana, S. A., Zimmerman, D. S., & Lathrop, D. P., “Excitation of inertial modes in an experimental spherical Couette flow”, 2012PhRvE...86b6304R ADS
- Roudier, T., Rieutord, M., Rincon, F., et al., “The Power Spectrum of the Solar Surface Flows from Hinode Data and First Observations with MOF/CALAS Pic-du-Midi”, 2012ASPC...454...47R ADS
- Malherbe, J. M., Roudier, T., Rieutord, M., Berger, T., & Franck, Z., “Acoustic Events in the Solar Atmosphere from Hinode/SOT NFI Observations”, 2012SoPh...278...241M ADS
- Rieutord, M., Rincon, F., & Roudier, T., “MHD simulations of the solar photosphere”, 2012EAS...55...5R ADS
- Roudier, T., Malherbe, J., Rieutord, M., et al., “Some Dynamic Analysis of the Photosphere from Hinode/SOT and SDO/HMI Observations”, 2012ASPC...456...65R ADS
- Roudier, T., Rieutord, M., Malherbe, J. M., et al., “Quasi full-disk maps of solar horizontal velocities using SDO/HMI data”, 2012A&A...540A...88R ADS
- Abbassi, S., Rieutord, M., & Rezanian, V., “An r-mode in a magnetic rotating spherical layer: application to neutron stars”, 2012MNRAS.419.2893A ADS
- Suárez, J. C., Goupil, M. J., Reese, D. R., et al., “Rotation on the oscillation spectrum of solar-like stars”, 2011sf2a.conf...249S ADS
- Espinosa Lara, F. & Rieutord, M., “Gravity darkening in rotating stars”, 2011A&A...533A...43E ADS
- Reese, D. R., Espinosa Lara, F. & Rieutord, M., “The effects of μ gradients on pulsations of rapidly rotating stars”, 2011IAUS...272...535R ADS
- Rieutord, M. & Rincon, F., “The Sun’s Supergranulation”, 2010LRSP...7...2R ADS
- Suárez, J. C., Goupil, M. J., Reese, D. R., et al., “On the Interpretation of Echelle Diagrams for Solar-like Oscillations Effect of Centrifugal Distortion”, 2010ApJ...721...537S ADS
- Ballot, J., Lignières, F., Reese, D. R., & Rieutord, M., “Gravity modes in rapidly rotating stars. Limits of perturbative methods”, 2010A&A...518A...30B ADS
- Rieutord, M., Roudier, T., Rincon, F., et al., “On the power spectrum of solar surface flows”, 2010A&A...512A...4R ADS
- Le Bars, M., Lacaze, L., Le Dizès, S., Le Gal, P., & Rieutord, M., “Tidal instability in stellar and planetary binary systems”, 2010PEPL...178...48L ADS
- Rieutord, M. & Valdettaro, L., “Viscous dissipation by tidally forced inertial modes in a rotating spherical shell”, 2010JFM...643...363R ADS
- Ballot, J., Lignières, F., Reese, D. R., & Rieutord, M., “Gravity modes in rapidly rotating polytropic stars”, 2009arXiv0912.1679B ADS
- Roudier, T., Rincon, F., Rieutord, M., et al., “Supergranulation, Network Formation, and TFGs Evolution from Hinode Observations”, 2009ASPC...415...203R ADS
- Rieutord, M. & Espinosa Lara, F., “On the dynamics of a radiative rapidly rotating star”, 2009CoAst.158...99R ADS
- Roudier, T., Rieutord, M., Brito, D., et al., “Mesoscale dynamics on the Sun’s surface from HINODE observations”, 2009A&A...495...945R ADS
- Rieutord, M., “Approaching the Low-Frequency Spectrum of Rotating Stars”, in The Rotation of Sun and Stars, Vol. 765, 101–121 2009LNP...765...101R ADS
- Beigbeder, F., Bourrec, E., Dupieux, M., et al., “Development of large and fast cmos aps cameras at lat”, 2009EAS...37...301B ADS
- Hanslmeier, A., Roudier, T., Rieutord, M., & Muller, R., “Solar Convection Dynamics Derived from Long Time Series Observations”, 2009CEAB...33...39H ADS
- Roudier, T., Malherbe, J. M., Švanda, M., et al., “Photospheric flows around a quiescent filament at Large and small scale and their effects on filament destabilization”, 2008sf2a.conf...569R ADS
- Michel, E., Baglin, A., Auvergne, M., et al., “CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun”, 2008Sci...322...558M ADS
- Rieutord, M. & Roudier, T., “Dynamics of the Solar Surface Revealed by Granule Tracking”, 2008ESPM...12...2.9R ADS
- Meunier, N., Roudier, T., & Rieutord, M., “Supergranules over the solar cycle”, 2008A&A...488.1109M ADS
- Reese, D., Lignières, F., & Rieutord, M., “Regular patterns in the acoustic spectrum of rapidly rotating stars”, 2008A&A...481...449R ADS
- Roudier, T., Švanda, M., Meunier, N., et al., “Large-scale horizontal flows in the solar photosphere. III. Effects on filament destabilization”, 2008A&A...480...255R ADS
- Rieutord, M., Meunier, N., Roudier, T., et al., “Solar supergranulation revealed by granule tracking”, 2008A&A...479L...17R ADS
- Rieutord, M., “The dynamics of rotating fluids and binary stars”, 2008EAS...29...127R ADS
- Hanslmeier, A., Müller, R., Roudier, T., & Rieutord, M., “HINODE SOT Observations - First Preliminary Analysis”, 2008CEAB...32...25H ADS
- Valdettaro, L., Rieutord, M., Braconnier, T., & Fraysse, V., “Convergence and round-off errors in a two-dimensional eigenvalue problem using spectral methods and Arnoldi-Chebyshev algorithm”, 2007JCoAM.205...382V ADS
- Tkaczuk, R., Rieutord, M., Meunier, N., & Roudier, T., “Tracking granules on the Sun’s surface and reconstructing velocity fields. II. Error analysis”, 2007A&A...471...695T ADS
- Rieutord, M., Roudier, T., Roques, S., & Ducottet, C., “Tracking granules on the Sun’s surface and reconstructing velocity fields. I. The CST algorithm”, 2007A&A...471...687R ADS
- Espinosa Lara, F. & Rieutord, M., “The dynamics of a fully radiative rapidly rotating star enclosed within a spherical box”, 2007A&A...470.1013E ADS
- Rieutord, M., “Modeling rapidly rotating stars”, 2007astro.ph...2384R ADS
- Espinosa Lara, F. & Rieutord, M., “The dynamics of a fully radiative rapidly rotating star”, 2007astro.ph...2255E ADS
- Rondi, S., Roudier, T., Molodij, G., et al., “Photospheric flows around a quiescent filament and CALAS first results .”, 2007MmSAI...78...114R ADS
- Meunier, N., Tkaczuk, R., Roudier, T., & Rieutord, M., “Velocities and divergences as a function of supergranule size”, 2007A&A...461.1141M ADS
- Michel, E., Baglin, A., Auvergne, M., et al., “The Seismology Programme of CoRoT”, 2006ESASP1306...39M ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., “The DynamICS perspective”, 2006ESASP.624E...24T ADS
- Reese, D., Lignières, F., & Rieutord, M., “Acoustic oscillations of rapidly rotating polytropic stars. II. Effects of the Coriolis and centrifugal accelerations”, 2006A&A...455...621R ADS
- Lignières, F., Rieutord, M., & Reese, D., “Acoustic oscillations of rapidly rotating polytropic stars. I. Effects of the centrifugal distortion”, 2006A&A...455...607L ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., “The EUV Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO): Science Plan and Instrument Overview”, 2006ESASP.617E.165W ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., “Scientific Objectives of the Novel Formation Flying Mission Aspiics”, 2006ESASP.617E.164L ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., “The Dynamics Project”, 2006ESASP.617E.162T ADS
- Rieutord, M., “Modeling rapidly rotating stars”, 2006sf2a.conf...501R ADS
- Rieutord, M., “The dynamics of the radiative envelope of rapidly rotating stars. I. A spherical Boussinesq model”, 2006A&A...451.1025R ADS
- Beigbeder, F., Rondi, S., Meunier, N., & Rieutord, M., “A CMOS Sensor for Solar Observation”, 2006ASSL...336...123B ADS
- Lignières, F., Rieutord, M., & Reese, D., “Acoustic oscillations in centrifugally flattened polytropic star .”, 2006MmSAI...77...425L ADS
- Rieutord, M. & Dubrulle, B., “Preface”, 2006EAS...21D...3R ADS
- Rieutord, M., “On the dynamics of radiative zones in rotating stars”, 2006EAS...21...275R ADS
- Rieutord, M., “An introduction to thermal convection”, 2006EAS...21...5R ADS
- Rieutord, M., “The foundations of fluid dynamics”, 2006EAS...21...3R ADS
- , “Stellar fluid dynamics and numerical simulations : from the sun to neutron stars”, 2006EAS...21...R ADS
- Reese, D., Lignières, F., & Rieutord, M., “Oscillations of rapidly rotating stars”, 2006CoAst.147...65R ADS

- Rieutord, M., Dintrans, B., Lignières, F., Corbard, T., & Pichon, B., "The ESTER project", 2005sf2a.conf..759R ADS
- Meunier, N., Rondi, S., Tkaczuk, R., Rieutord, M., & Beigbeder, F., "CALAS, A Camera for the Large-scale of the Solar Surface", 2005ASPC..346..53M ADS
- Rincon, F., Lignières, F., & Rieutord, M., "Mesoscale flows in large aspect ratio simulations of turbulent compressible convection", 2005A&A...430L..57R ADS
- Reese, D., Rincon, F., & Rieutord, M., "Shear Alfvén modes in magnetized spherical shells", 2004sf2a.conf..267R ADS
- Reese, D., Rincon, F., & Rieutord, M., "Oscillations of magnetic stars. II. Axisymmetric toroidal and non-axisymmetric shear Alfvén modes in a spherical shell", 2004A&A...427..279R ADS
- Lignières, F. & Rieutord, M., "Oscillations of Fast Rotating Stars: p-Modes in Centrifugally Flattened Polytropes", 2004IAUS..215..414L ADS
- Rieutord, M., "Evolution of Rotation in Binaries: Physical Processes (Invited Review)", 2004IAUS..215..394R ADS
- Chavanis, P. H. & Rieutord, M., "Statistical mechanics and phase diagrams of rotating self-gravitating fermions", 2003A&A...412....1C ADS
- Roudier, T., Lignières, F., Rieutord, M., Brandt, P. N., & Malherbe, J. M., "Families of fragmenting granules and their relation to meso- and supergranular flow fields", 2003A&A...409..299R ADS
- Rieutord, M., "Evolution of rotation in binaries: physical processes", 2003astro.ph..8313R ADS
- Rincon, F. & Rieutord, M., "Oscillations of magnetic stars: I. Axisymmetric shear Alfvén modes of a spherical shell in a dipolar magnetic field", 2003A&A...398..663R ADS
- Rincon, F. & Rieutord, M., "Stability of a compressible fluid layer in a magnetic field: a simple model for supergranulation", 2003sf2a.conf..103R ADS
- Meunier, N., Rieutord, M., & Beigbeder, F., "CALAS: a CAmera for the LARge Scales of the solar surface", 2003sf2a.conf..93M ADS
- Rieutord, M., "The oscillations of rapidly rotating stars", in M. J. Thompson and J. Christensen-Dalsgaard (Eds.), Stellar Astrophysical Fluid Dynamics, 99–109 2003safd.book...99R ADS
- Rincon, F. & Rieutord, M., "A Study of Shear Alfvén Waves in Magnetic Stars: the Spherical Shell Model", 2003aahd.conf..561R ADS
- Roudier, T., Lignières, F., Rieutord, M., Brandt, P. N., & Malherbe, J. M., "Recurrence of fragmenting granules and their relation to meso- and supergranular flow fields", 2003EAS...9..371R ADS
- Rieutord, M. & Dintrans, B., "More concerning the anelastic and subseismic approximations for low-frequency modes in stars", 2002MNRAS..337..1087R ADS
- Prix, R. & Rieutord, M., "Adiabatic oscillations of non-rotating superfluid neutron stars", 2002A&A...393..949P ADS
- Rieutord, M., Ludwig, H. G., Roudier, T., Nordlund, ., & Stein, R., "A simulation of solar convection at supergranulation scale", 2002NCimC..25..523R ADS
- Rieutord, M., "Slichter modes of the Earth revisited", 2002PEPI..131..269R ADS
- Krijger, J. M., Roudier, T., & Rieutord, M., "Photospheric flows measured with TRACE", 2002A&A...387..672K ADS
- Rieutord, M. & Lignières, F., "On the Theory of Oscillations of Rapidly Rotating Stars", 2002ASPC..259..190R ADS
- Dintrans, B. & Rieutord, M., "A Comparison of the Anelastic and Subseismic Approximations for Low-Frequency Stellar Oscillations: an Application to Rapidly Rotating Stars", 2002ASPC..259..186D ADS
- Rieutord, M., Roudier, T., Ludwig, H. G., Nordlund, Å., & Stein, R., "Are granules good tracers of solar surface velocity fields?", 2001A&A...377L..14R ADS
- Rieutord, M., "Erratum: Ekman Layers and the Damping of Inertial r-Modes in a Spherical Shell: Application to Neutron Stars", 2001ApJ...557..493R ADS
- Dintrans, B. & Rieutord, M., "A comparison of the anelastic and subseismic approximations for low-frequency gravity modes in stars", 2001MNRAS..324..635D ADS
- Lignières, F., Rieutord, M., & Valdettaro, L., "Acoustic modes in spheroidal cavities", 2001sf2a.conf..127L ADS
- Rieutord, M., Georgeot, B., & Valdettaro, L., "Inertial waves in a rotating spherical shell: attractors and asymptotic spectrum", 2001JFM...435..103R ADS
- Rieutord, M., "Ekman Layers and the Damping of Inertial R-Modes in a Spherical Shell: Application to Neutron Stars", 2001ApJ...550..443R ADS
- Roudier, T., Eibe, M. T., Malherbe, J. M., et al., "Temporal height properties of the exploding granules", 2001A&A...368..652R ADS
- Rieutord, M., Georgeot, B., & Valdettaro, L., "Wave Attractors in Rotating Fluids: A Paradigm for Ill-Posed Cauchy Problems", 2000PhRvL..85.4277R ADS
- Rieutord, M., Roudier, T., Malherbe, J. M., & Rincon, F., "On mesogranulation, network formation and supergranulation", 2000A&A...357.1063R ADS
- Dintrans, B. & Rieutord, M., "Oscillations of a rotating star: a non-perturbative theory", 2000A&A...354...86D ADS
- Rieutord, M., "A note on inertial modes in the core of the Earth", 2000PEPI..117...63R ADS
- Dintrans, B. & Rieutord, M., "Oscillations of Rapidly Rotating Stars", 2000ASPC..203..373D ADS
- Roudier, T., Rieutord, M., Malherbe, J. M., & Vigneau, J., "Determination of horizontal velocity fields at the sun's surface with high spatial and temporal resolution", 1999A&A...349..301R ADS
- Roudier, T., Rieutord, M., Malherbe, J. M., & Vigneau, J., "Internal intermittency on the Sun surface?", 1999joso.proc..197R ADS
- Rieutord, M. & Zahn, J.-P., "Ekman Pumping and Tidal Dissipation in Close Binaries: A Refutation of Tassoul's Mechanism", 1997ApJ...474..760R ADS
- Bonin, P. & Rieutord, M., "On the internal dynamics of turbulent plumes in the context of stellar convection.", 1996A&A...310..221B ADS
- Brandenburg, A., Jennings, R. L., Nordlund, Å., et al., "Magnetic structures in a dynamo simulation", 1996JFM...306..325B ADS
- Rieutord, M. & Zahn, J. P., "Turbulent plumes in stellar convective envelopes.", 1995A&A...296..127R ADS
- Rieutord, M., "Inertial modes in the liquid core of the Earth", 1995PEPI...91...41R ADS
- Bonin, P. & Rieutord, M., "Turbulent Jets: Reichardt's Inductive Theory and Intermittency Corrections", in M. Meneguzzi, A. Pouquet, and P.-L. Sulem (Eds.), Small-Scale Structures in Three-Dimensional Hydrodynamic and Magnetohydrodynamic Turbulence, Vol. 462, 165 1995LNP...462..165B ADS
- Rieutord, M., Brandenburg, A., Mangeney, A., & Drossart, P., "Reynolds stresses and differential rotation in Boussinesq convection in a rotating spherical shell.", 1994A&A...286..471R ADS
- Tuominen, I., Brandenburg, A., Moss, D., & Rieutord, M., "Does solar differential rotation ARISE from a large scale instability?.", 1994A&A...284..259T ADS
- Dubrulle, B., Chomaz, J. M., Kumar, S., & Rieutord, M., "Non linear stability of slender accretion disks by bifurcation method", 1993GApFD..70..235D ADS
- Rieutord, M., "Coherent Structures and the Differential Rotation of the Sun", 1993ASPC...42...65R ADS
- Nordlund, A., Brandenburg, A., Jennings, R. L., et al., "Dynamo Action in Stratified Convection with Overshoot", 1992ApJ...392..647N ADS
- Rieutord, M., "Ekman circulation and the synchronization of binary stars", 1992A&A...259..581R ADS
- Rieutord, M., "Ekman layers and tidal synchronization of binary stars.", 1992btsf.work..229R ADS
- Brandenburg, A., Moss, D., Rieutord, M., Rüdiger, G., & Tuominen, I., "α-Dynamos", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 147 1991LNP...380..147B ADS
- Rieutord, M. & Zahn, J.-P., "Large scale convection in stars : Towards a model for the action of coherent structures", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 33 1991LNP...380...33R ADS
- Rieutord, M., "Linear theory of rotating fluids using spherical harmonics part II, time-periodic flows", 1991GApFD..59..185R ADS
- Rieutord, M. & Bonazzola, S., "Tidal heating in close binary stellar systems", 1987MNRAS..227..295R ADS
- Rieutord, M.: 1987a, "Contribution à l'étude de l'évolution des étoiles doubles serrées : étude du spin-up par effet de marée", Contribution à l'étude de l'évolution des étoiles doubles serrées : étude du spin-up par effet de marée-Contribution to the study of the evolution of close binary stars: study of the spin-up by tidal effect;., Ph.D. thesis, Université Paris Sud (Paris XI), France 1987PhDT.....152R ADS
- Rieutord, M., "Linear theory of rotating fluids using spherical harmonics part I: Steady flows", 1987GApFD..39..163R ADS