Bibliography from ADS file: pontin.bib
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Pontin, D. I. & Priest, E. R., *"Magnetic reconnection: MHD theory and modelling"*, 2022LRSP...19....1P ADS

Aslanyan, V., Pontin, D., Wyper, P., et al., *"Quantifying magnetic reconnection in the Solar corona"*, 2022cosp...44.1495A ADS

Peter, H., Chitta, L. P., Chen, F., et al., *"Parallel Plasma Loops and the Energization of the Solar Corona"*, 2022ApJ...933..153P ADS

Aslanyan, V., Pontin, D. I., Scott, R. B., et al., *"The Dynamic Structure of Coronal Hole Boundaries"*, 2022ApJ...931...96A ADS

Aslanyan, V., Pontin, D. I., Higginson, A. K., et al., *"The Dynamic Coupling of Streamers and Pseudostreamers to the Heliosphere"*, 2022ApJ...929..185A ADS

Pallister, R., Wyper, P. F., Pontin, D. I., DeVore, C. R., & Chiti, F., *"Spatially Separated Electron and Proton Beams in a Simulated Solar Coronal Jet"*, 2021ApJ...923..163P ADS

Howson, T. A., De Moortel, I., & Pontin, D. I., *"Magnetic reconnection and the Kelvin-Helmholtz instability in the solar corona"*, 2021A&A...656A.112H ADS

Wyper, P. F. & Pontin, D. I., *"Is Flare Ribbon Fine Structure Related to Tearing in the Flare Current Sheet?"*, 2021ApJ...920..102W ADS

Candelaresi, S., Pontin, D., & Hornig, G.: 2021, *GLEMuR: GPU-based Lagrangian mimEtic Magnetic Relaxation*, Astrophysics Source Code Library, record ascl:2106.019 2021ascl.soft06019C ADS

Scott, R. B., Pontin, D. I., Antiochos, S. K., DeVore, C. R., & Wyper, P. F., *"The Dynamic Formation of Pseudostreamers"*, 2021AAS...23832818S ADS

Scott, R. B., Pontin, D. I., Antiochos, S. K., DeVore, C. R., & Wyper, P. F., *"The Dynamic Formation of Pseudostreamers"*, 2021ApJ...913...64S ADS

Aslanyan, V., Pontin, D. I., Wyper, P. F., et al., *"Effects of Pseudostreamer Boundary Dynamics on Heliospheric Field and Wind"*, 2021ApJ...909...10A ADS

Pontin, D., Wyper, P., & Scott, R., *"Interchange reconnection and the structure of the boundary between open and closed magnetic flux in the corona"*, 2021cosp...43E1804P ADS

Pontin, D., Peter, H., Yeates, A., et al., *"New observational support for the role of magnetic field line braiding in solar coronal heating"*, 2021cosp...43E1796P ADS

Han, S.-C., Waters, C., Pontin, D., et al., *"A constellation of nanosatellites for geodesy, space weather and radio occultation experiment: An Australian example from Spire Global CubeSats"*, 2021cosp...43E..54H ADS

Olshevsky, V., Pontin, D. I., Williams, B., et al., *"A comparison of methods for finding magnetic nulls in simulations and in situ observations of space plasmas"*, 2020A&A...644A.150O ADS

Pontin, D. I. & Hornig, G., *"The Parker problem: existence of smooth force-free fields and coronal heating"*, 2020LRSP...17....5P ADS

Pontin, D. I., Peter, H., & Chitta, L. P., *"Non-thermal line broadening due to braiding-induced turbulence in solar coronal loops"*, 2020A&A...639A..21P ADS

Liu, Y. Y., Fu, H. S., Olshevsky, V., et al., *"SOTE: A Nonlinear Method for Magnetic Topology Reconstruction in Space Plasmas"*, 2019ApJS..244...31L ADS

Russell, A. J. B., Demoulin, P., Hornig, G., Pontin, D. I., & Candelaresi, S., *"Do Current and Magnetic Helicities Have the Same Sign?"*, 2019ApJ...884...55R ADS

Scott, R. B., Pontin, D. I., & Wyper, P. F., *"Magnetic Structures at the Boundary of the Closed Corona: A Semi-automated Study of S-Web Morphology"*, 2019ApJ...882..125S ADS

Pontin, D., Scott, R. B., & Wyper, P. F., *"Interchange reconnection at different topological structures of the Sun's open-closed-flux boundary"*, 2019shin.confE.170P ADS

Scott, R. B., Pontin, D. I., & Wyper, P. F., *"Magnetic Structures at the Boundary of the Closed Corona: A Semi-Automated Study of S-Web Morphology"*, 2019shin.confE.169S ADS

Pallister, R., Pontin, D. I., & Wyper, P. F., *"Proton acceleration at tearing coronal null-point current sheets"*, 2019A&A...622A.207P ADS

Thurgood, J. O., Pontin, D. I., & McLaughlin, J. A., *"On the periodicity of linear and nonlinear oscillatory reconnection"*, 2019A&A...621A.106T ADS

Scott, R. B., Pontin, D. I., Yeates, A. R., Wyper, P. F., & Higginson, A. K., *"Magnetic Structures at the Boundary of the Closed Corona: Interpretation of S-Web Arcs"*, 2018ApJ...869...60S ADS

Candelaresi, S., Pontin, D. I., Yeates, A. R., Bushby, P. J., & Hornig, G., *"Estimating the Rate of Field Line Braiding in the Solar Corona by Photospheric Flows"*, 2018ApJ...864..157C ADS

Scott, R. B., Pontin, D. I., Yeates, A. R., Wyper, P. F., & Higginson, A. K., *"Magnetic Structures at the Boundary of the Closed Corona"*, 2018shin.confE..73S ADS

Pontin, D. I., Scott, R. B., & Wyper, P. F., *"Interchange reconnection and the 'blurring' of the Sun's open-closed-flux boundary"*, 2018shin.confE..53P ADS

Thurgood, J. O., Pontin, D. I., & McLaughlin, J. A., *"Resistively-limited current sheet implosions in planar anti-parallel (1D) and null-point containing (2D) magnetic field geometries"*, 2018PhPl...25g2105T ADS

Thurgood, J. O., Pontin, D. I., & McLaughlin, J. A., *"Implosive Collapse about Magnetic Null Points: A Quantitative Comparison between 2D and 3D Nulls"*, 2018ApJ...855...50T ADS

Candelaresi, S., Pontin, D. I., & Hornig, G., *"Magnetic field line braiding in the solar atmosphere"*, 2017IAUS..327...77C ADS

Scott, R. B., Pontin, D. I., & Hornig, G., *"On the Magnetic Squashing Factor and the Lie Transport of Tangents"*, 2017ApJ...848..117S ADS

Thurgood, J., Pontin, D., & McLaughlin, J., *"Three-dimensional Oscillatory Reconnection"*, 2017shin.confE..88T ADS

Thurgood, J. O., Pontin, D. I., & McLaughlin, J. A., *"Three-dimensional Oscillatory Magnetic Reconnection"*, 2017ApJ...844....2T ADS

Pontin, D. I., Janvier, M., Tiwari, S. K., et al., *"Observable Signatures of Energy Release in Braided Coronal Loops"*, 2017ApJ...837..108P ADS

Candelaresi, S., Pontin, D. I., & Hornig, G., *"Effects of Field-line Topology on Energy Propagation in the Corona"*, 2016ApJ...832..150C ADS

Pontin, D., Galsgaard, K., & Démoulin, P., *"Why Are Flare Ribbons Associated with the Spines of Magnetic Null Points Generically Elongated?"*, 2016SoPh..291.1739P ADS

Pontin, D. I., Hornig, G., & Candelaresi, S., *"Braided coronal loops: equilibria, heating, and observational signatures"*, 2016SPD....47.1010P ADS

Pontin, D. I., Galsgaard, K., & Demoulin, P., *"Why are flare ribbons generically elongated in configurations with magnetic null points?"*, 2016SPD....47.0625P ADS

Pontin, D. I., Candelaresi, S., Russell, A. J. B., & Hornig, G., *"Braided magnetic fields: equilibria, relaxation and heating"*, 2016PPCF...58e4008P ADS

Candelaresi, S., Pontin, D. I., & Hornig, G., *"Magnetic Field Relaxation and Current Sheets in an Ideal Plasma"*, 2015ApJ...808..134C ADS

Pontin, D. I. & Hornig, G., *"The Structure of Current Layers and Degree of Field-line Braiding in Coronal Loops"*, 2015ApJ...805...47P ADS

Pontin, D. I. & Wyper, P. F., *"The Effect of Reconnection on the Structure of the Sun's Open-Closed Flux Boundary"*, 2015ApJ...805...39P ADS

Pontin, D. I. & Hornig, G., *"The structure of current layers and degree of field line braiding in coronal loops"*, 2015TESS....131205P ADS

Pontin, D. I. & Wyper, P. F., *"The effect of reconnection on the structure of the Sun's open-closed-flux boundary, and implications for the structure of the solar wind"*, 2015TESS....110801P ADS

Wyper, P. F. & Pontin, D. I., *"Non-linear Tearing and Flux rope Formation in 3D Null Current Sheets"*, 2014AGUFMSH23A4152W ADS

Wyper, P. F. & Pontin, D. I., *"Dynamic topology and flux rope evolution during non-linear tearing of 3D null point current sheets"*, 2014PhPl...21j2102W ADS

Craig, I. J. D. & Pontin, D. I., *"Current Singularities in Line-tied Three-dimensional Magnetic Fields"*, 2014ApJ...788..177C ADS

Pontin, D., Candelaresi, S., & Hornig, G., *"A new relaxation technique for determining the structure of coronal magnetic fields"*, 2014AAS...22440206P ADS

Pontin, D. & Wyper, P., *"Magnetic reconnection and tearing in a 3D current sheet about a solar coronal null"*, 2014AAS...22432346P ADS

Candelaresi, S., Pontin, D., & Hornig, G., *"Mimetic Methods for Lagrangian Relaxation of Magnetic Fields"*, 2014arXiv1405.0942C ADS

Pontin, D. I., Priest, E. R., & Galsgaard, K., *"On the Nature of Reconnection at a Solar Coronal Null Point above a Separatrix Dome"*, 2013ApJ...774..154P ADS

Murphy, N. A., Parnell, C., Haynes, A. L., & Pontin, D., *"The Emergence, Motion, and Disappearance of Magnetic Null Points"*, 2013SPD....44..103M ADS

Murphy, N. A., Parnell, C., Haynes, A. L., & Pontin, D., *"The Emergence, Motion, and Disappearance of Magnetic Null Points"*, 2013shin.confE.118M ADS

Wyper, P. F. & Pontin, D. I., *"Kelvin-Helmholtz instability in a current-vortex sheet at a 3D magnetic null"*, 2013PhPl...20c2117W ADS

Pontin, D. I. & Huang, Y. M., *"On the Formation of Current Sheets in Response to the Compression or Expansion of a Potential Magnetic Field"*, 2012ApJ...756....7P ADS

Wyper, P. F., Jain, R., & Pontin, D. I., *"Spine-fan reconnection. The influence of temporal and spatial variation in the driver"*, 2012A&A...545A..78W ADS

Pontin, D. I., *"Theory of magnetic reconnection in solar and astrophysical plasmas"*, 2012RSPTA.370.3169P ADS

Wilmot-Smith, A. L., Pontin, D. I., Yeates, A. R., & Hornig, G., *"Heating of braided coronal loops"*, 2011A&A...536A..67W ADS

Galsgaard, K. & Pontin, D. I., *"Current accumulation at an asymmetric 3D null point caused by generic shearing motions"*, 2011A&A...534A...2G ADS

1

Pontin, D. I., Al-Hachami, A. K., & Galsgaard, K.*, "Generalised models for torsional spine and fan magnetic reconnection",* `2011A&A...533A..78P` ADS

Pontin, D. I.*, "Three-dimensional magnetic reconnection regimes: A review",* `2011AdSpR..47.1508P` ADS

Galsgaard, K. & Pontin, D. I.*, "Steady state reconnection at a single 3D magnetic null point",* `2011A&A...529A..20G` ADS

Pontin, D. I., Wilmot-Smith, A. L., Hornig, G., & Galsgaard, K.*, "Dynamics of braided coronal loops. II. Cascade to multiple small-scale reconnection events",* `2011A&A...525A..57P` ADS

Wilmot-Smith, A. L., Pontin, D. I., & Hornig, G.*, "Dynamics of braided coronal loops. I. Onset of magnetic reconnection",* `2010A&A...516A...5W` ADS

Al-Hachami, A. K. & Pontin, D. I.*, "Magnetic reconnection at 3D null points: effect of magnetic field asymmetry",* `2010A&A...512A..84A` ADS

Pontin, D.*, "Three-dimensional magnetic reconnection regimes",* `2010cosp...38.1934P` ADS

Priest, E. R. & Pontin, D. I.*, "Three-dimensional null point reconnection regimes",* `2009PhPl...16l2101P` ADS

Wilmot-Smith, A. L., Hornig, G., & Pontin, D. I.*, "Magnetic Braiding and Quasi-Separatrix Layers",* `2009ApJ...704.1288W` ADS

Pontin, D. I., Hornig, G., Wilmot-Smith, A. L., & Craig, I. J. D.*, "Lagrangian Relaxation Schemes for Calculating Force-free Magnetic Fields, and Their Limitations",* `2009ApJ...700.1449P` ADS

Deng, X. H., Zhou, M., Li, S. Y., et al.*, "Dynamics and waves near multiple magnetic null points in reconnection diffusion region",* `2009JGRA..114.7216D` ADS

Wilmot-Smith, A. L., Hornig, G., & Pontin, D. I.*, "Magnetic Braiding and Parallel Electric Fields",* `2009ApJ...696.1339W` ADS

Deng, X., Decreau, P., Ashour-Abdalla, M., et al.*, "Observations of 3-D Reconnection and Dynamics of Electron Scale Thin Current Sheets with Small Satellite Separation",* `2008AGUFMSM22A..06D` ADS

Wilmot-Smith, A., Hornig, G., & Pontin, D.*, "Magnetic Braiding and the Onset of Reconnection",* `2008ESPM...12.3.40W` ADS

Pontin, D. I., Bhattacharjee, A., & Galsgaard, K.*, "Current sheets at three-dimensional magnetic nulls: Effect of compressibility",* `2007PhPl...14e2109P` ADS

Pontin, D. I., Bhattacharjee, A., & Galsgaard, K.*, "Current sheet formation and nonideal behavior at three-dimensional magnetic null points",* `2007PhPl...14e2106P` ADS

Pontin, D. I. & Galsgaard, K.*, "Current amplification and magnetic reconnection at a three-dimensional null point: Physical characteristics",* `2007JGRA..112.3103P` ADS

Pontin, D. I., Bhattacharjee, A., & Galsgaard, K.*, "Current Sheet Formation and Magnetic Reconnection at 3D Null Points",* `2006AGUFMSH33B0407P` ADS

Pontin, D., Bhattacharjee, A., & Galsgaard, K.*, "Reconnection and Non-Ideal Behaviour at 3D Magnetic Null Points",* `2006SPD....37.1007P` ADS

Pontin, D. I. & Craig, I. J. D.*, "Dynamic Three-dimensional Reconnection in a Separator Geometry with Two Null Points",* `2006ApJ...642..568P` ADS

Pontin, D. I., Hornig, G., & Priest, E. R.*, "Kinematic reconnection at a magnetic null point: fan-aligned current",* `2005GApFD..99...77P` ADS

Pontin, D. I., Hornig, G., & Priest, E. R.*, "Kinematic Magnetic Reconnection at 3d Null Points",* `2004ESASP.575..507P` ADS

Priest, E. R. & Pontin, D. I.*, "Magnetic Reconnection",* `2004ASSL..317..397P` ADS

Pontin, D. I., Hornig, G., & Priest, E. R.*, "Kinematic reconnection at a magnetic null point: spine-aligned current",* `2004GApFD..98..407P` ADS

Priest, E. R., Hornig, G., & Pontin, D. I.*, "On the nature of three-dimensional magnetic reconnection",* `2003JGRA..108.1285P` ADS

Pontin, D. I., Priest, E. R., & Longcope, D. W.*, "A Framework for Understanding the Topology of Complex Coronal Structures",* `2003SoPh..212..319P` ADS