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JOURNAL PUBLICATIONS

- **Sethupathy Subramanian**, Dinshaw S. Balsara, Deepak Bhojia and Harish Kumar, “Techniques, Tricks and Algorithms for Efficient GPU-Based Processing of Higher Order Hyperbolic PDEs” in *Communications on Applied Mathematics and Computation*, 2023.
 - Sujata Bhowmick and **Sethupathy Subramanian**, “The Source Stabilized Galerkin Formulation for Linear Moving Conductor Problems with Edge Elements” in *IEEE Transactions on Magnetics*, vol. 59, no. 9, pp. 1-10, Sept. 2023.
 - **Sethupathy Subramanian** and Sujata Bhowmick, “A Stable Weighted Residual Finite Element Formulation for the Simulation of Linear Moving Conductor Problems” in *IEEE Journal on Multiscale and Multiphysics Computational Techniques*, vol. 7, pp. 220-227, 2022.
 - **Sethupathy Subramanian**, Dinshaw S. Balsara, Asif Ud-Doula, and Marc Gagné, “Modelling magnetically channeled winds in 3D–I. Isothermal simulations of a magnetic O supergiant” in *Monthly Notices of the Royal Astronomical Society* 515, no. 1 (2022): 237-255.
 - Dinshaw S. Balsara, Saurav Samantaray and **Sethupathy Subramanian**, “Efficient WENO-Based Prolongation Strategies for Divergence-Preserving Vector Fields” in *Communications on Applied Mathematics and Computation*, (2022): 1-57.
 - **Sethupathy Subramanian**, Udaya Kumar and Sujata Bhowmick, “On overcoming the Transverse Boundary Error of the SU/PG Scheme for Moving Conductor problems” in *IEEE Transactions on Magnetics*, vol. 58, no. 1, pp. 1-8, Jan. 2022.
 - Dinshaw S. Balsara, Vladimir Florinski, Sudip Garain, **Sethupathy Subramanian** and Katharine F. Gurski, “Efficient, Divergence-free, High Order MHD on 3D Spherical Meshes with Optimal Geodesic Meshing” in *Monthly Notices of the Royal Astronomical Society*, vol. 487 no. 1, pp 1283-1314, Jul. 2019.
 - **Sethupathy Subramanian** and Udaya Kumar, “Stable Galerkin finite-element scheme for the simulation of problems involving conductors moving rectilinearly in magnetic fields” in *IET Science, Measurement & Technology*, vol. 10, no. 8, pp. 952-962, Nov. 2016.
 - **Sethupathy Subramanian** and Udaya Kumar, “Augmenting numerical stability of the Galerkin finite element formulation for electromagnetic flowmeter analysis” in *IET Science, Measurement & Technology*, vol. 10, no. 4, pp. 288-295, July 2016.
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