

Abstract Submitted  
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**A Plasma Algorithm for Plasmoid Accelerator Modeling** JOHN  
LOVERICH, Advatech Pacific — In this paper we present a discontinuous Galerkin  
approach to resistive/ideal MHD and Hall MHD plasma models. Divergence clean-  
ing is used to ensure that divergence errors are contained. Results of typical plasma  
physics benchmarks and axisymmetric simulations of FRC accelerators for high pow-  
ered spacecraft propulsion will be presented.

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