A Plasma Algorithm for Plasmoid Accelerator Modeling JOHNN
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.