## ${\rm Kaibo\; Hu} \\ {\bf Iterative\; Methods\; for\; Nonlinear\; Discrete\; MHD\; Systems}$

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In this talk, we will first present several structure-preserving finite element methods for some MHD models and then present and analyze some iterative methods for the resulting nonlinear algebraic systems. Energy stability is crucial for the well-posedness and convergence of the schemes.