

Abstract Submitted  
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**Current-sheet formation in compressible MHD** DAVID ROLLINS,  
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tion near a hyperbolic magnetic neutral line in the MHD model is investigated. In  
this model, the magnetic field lines are swept by the plasma flow toward the X-point.  
The effects of density variation of the plasma are considered, in particular the case  
of compressible barotropic plasma.

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