

**Sufficient stability condition  
for axisymmetric equilibrium of flowing magnetized plasma**

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New variational principle for linear stability of three-dimensional, inhomogeneous, compressible, moving magnetized plasma is suggested. The sufficient stability condition is obtained, which appears to be softer (easier to be satisfied) than all previously known variational stability conditions. The key point of the analysis is a conservation of new integrals inherent in the linearized equation of the motion that was not earlier discussed in the literature. The accounting for those integrals allows us to construct the variational principle, which generalizes usual energy principle for static equilibria. In contrast with known Frieman-Rosenbluth approach, our functional may be positive definite even for non-field-aligned flows. The principle is concretized for axisymmetric plasma equilibrium with stationary toroidal flows.