Kostomarov, D. P.; Medvedev, S. Yu.; Sychugov, D. Yu.
Methods for MHD plasma equilibria mathematical modeling. (Russian. English summary)
Zbl 1150.82300
Mat. Model. 20, No. 5, 3-34 (2008).

A short review of papers published in 1957–2005 years on formulations, methods and algorithms of solutions of MHD plasma equilibrium problems is presented (there are 52 referencies).

Reviewer: Sergei Georgievich Zhuravlev (Moskva)

MSC:
82-02 Research exposition (monographs, survey articles) pertaining to statistical mechanics
82D10 Statistical mechanical studies of plasmas
76X05 Ionized gas flow in electromagnetic fields; plasmic flow

Keywords:
plasma; plasmic flows; plasma equilibrium; MHD methods

Full Text: MNR