Erratum: "Magnetic Tunnels (Wormholes) in Astrophysics" [Astronomy Reports 50 (8), 601 (2006)]

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The conclusion concerning the role of quantum corrections to the equation of state for the magnetic field (Appendix 2) is invalid, and was drawn due to our incorrect interpretation of the work of S.P. Gavrilov (hep-th/0510093, reference [40]), which was the basis on which we wrote this Appendix. However, the necessity that there be, apart from a magnetic field, at least some arbitrarily small amount of phantom matter or phantom energy with $w_{\parallel} < -1$ remains.