

Dissipative pulsar magnetosphere

A.V. Gruzinov

Physics Department, New York University, New York, NY 10003, USA

I introduce Strong-Field Electrodynamics and calculate the structure of a dissipative axisymmetric pulsar magnetosphere by a direct numerical simulation of the Strong-Field Electrodynamics equations. With a better numerical scheme, one should be able to calculate the bolometric lightcurves for a given conductivity.