

Heliospheric Electric and Magnetic Fields

A. S. Popescu

Astronomical Institute of the Romanian Academy, Bucharest, Romania

From the Maxwell equations in the local Minkowski spacetime chart (derived from the DEUS topology) we obtain the relations to be particularized for a solar type star and a massive star, and later to be used for a 3D representation of the electric and magnetic field topology (in heliosphere or in a stellar atmosphere) and of its evolution with the cosmological time.