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Electromagnetic wave scattering on inhomogeneous plasmoid

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The calculation technique for electromagnetic wave scattering on inhomogeneous plasmoid is considered. Approximate solution for the problem of electromagnetic wave diffraction on spherically symmetrical slightly inhomogeneous plasmoid is obtained. The radar cross section calculations for this plasmoid on the basis of the technique and this solution are compared.

Keywords: electromagnetic wave, scattering, diffraction, plasmoid, radar cross section.

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