



Campos electromagnéticos generados por líneas de transmisión en áreas urbanas [

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text (article)

Analítica

This research project has as main focus the study and interpretation of electrical and magnetic field generated by lines of distribution of electrical energy in high voltage for the level of 115kV to an industrial frequency of 60 Hz as a consequence of the expansion of electrical networks in an urban zone. The study consists in comparing physical values of the phenomenon measured in the study area. As a numerical method of solution for the theoretical analysis the (numerical method of the images) was used, for the modeling and graphic of the fields the Computational tool (COMSOL Multiphysics) was used to evaluate the influence of radiation of electromagnetic field in the human body

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