

عنوان مقاله:

Prediction of the Induced Current on Externally Excited Dipole Antenna above Dielectric Half Space Based on Fuzzy Inference

محل انتشار:

یازدهمین کنفرانس سراسری سیستم های هوشمند (سال: 1391)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

In this paper, a fuzzy-based approach is proposed so as to predict the induced current on externally excited dipole antenna above dielectric half space. In modelling process, at first, behaviour of the dipole antenna over dielectric half space is estimated to the one in free space achieved in the previous study, and then the effect of the dielectric half space denoted by relative dielectric constant on the induced current is extracted as very simple curves. Finally, despite of other models a comprehensive efficient closed form solution is achieved

کلمات کلیدی:

Keywords: Fuzzy inference, dipole antenna, lossy ground

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<https://civilica.com/doc/214834>

