

## عنوان مقاله:

Hybrid Model for Bulk Current Injection Probe

## محل انتشار:

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## نویسندگان:

Issa Mostafa Mashriki - Faculty of Electrical & Computer Engineering, Malek Ashtar University of Technology

.Seyyed Mohamad Javad Razavi - Malek e Ashtar University, P. O. Box 1774-15875, Tehran, Iran

sayed hosein mohseni armaki - Electrical and Electronics Engineering Dept., Malek-e-Ashtar University of Technology, Tehran, Iran

## خلاصه مقاله:

A new hybrid-model for BCI probe is derived . This model is built based on the probe s internal structure without refinements, and by carrying out just one electrical measurement for the reflection coefficient, so that it can be generalized and used in studying the effect of layout parameters in the aim of improving the probe high frequency performance, which helps the developer in design stage. The hybrid-model is validated versus extracted permeability spectra, voltage transfer ratio and series impedance for the probe F-130A. The comparison is made between the derived hybrid-model and that of explicit model, the results showed a good accordance between them. An application .for the model is illustrated to bring to light its effectiveness

## کلمات کلیدی:

Bulk current injection (BCI), complex permeability spectra, electromagnetic Compatibility (EMC), modeling, (transmission line (TL

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1011791>

