عنوان فارسی مقاله:
تحليل سیستم هواپیمایی و زمینی با روش SCIM

عنوان انگلیسی مقاله:
Aerial and Grounding System Analysis by the Shifting Complex Images Method

توجه!
این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
**VIII. Conclusions**

A numerical method for the analysis of both aerial and buried system of conductors in wide frequency range has been described.

The method based on integral methods is advantageous, as compared with differential ones, to solve linear problems in open regions. To study a medium formed by two half spaces with different characteristics the well-known Images Method (IM) has been used and the Shifting Complex Images Method (SCIM) has been developed. These complex images derive from Sommerfeld’s integral.

The range of application of the method has been specified: it can be applied up to 1 MHz covering the frequency range of usual interest in power systems.

Analytical developments have required considerable efforts. On the other hand this allows to obtain algorithms that reduce computation task.