عنوان مقاله:

Valitiy of Multiconductor Transmission Line Model (MTL) in Analysis and Design of Grounding Grids Buried in Lossy Frequency-Dependent Ground

محل انتشار:

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نویسندگان:

Seyyed Sajjad Sajjadi - *MSC student from Arak University*

Sajjad Mehrabi - *MSC student from Arak University*

Saeed Reza Ostadzadeh - *Assistant professor from Arak University*

خلاصه مقاله:

In this paper, we propose an approximate model called multi-conductor transmission line model (MTL) for transient analyses of grounding grid buried in dispersive grounds. The grounding grid is corner and center-subjected to lightning current. The simulation results via this model are in good agreement with full-wave methods in previously published papers. In addition, the run-time using this model is considerably reduced.

کلمات کلیدی:

dispersive ground; grounding grid; lightning stroke.