

عنوان مقاله:

Influences of Different Linear and Non-Linear Circuit Models of Tower-Footing Vertical Rod on Lightning Performance of Multi-Conductor Overhead Lines

محل انتشار:

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خلاصه مقاله:

In this paper, lightning performance of overhead lines based on different models of tower-footing vertical rod and tower is investigated. As we know, there are a number of models for vertical rods and tower from low-frequency to highfrequency. Hence at first overhead lines, tower, and vertical rod (with different models) are imported into electromagnetic transient program (EMTP), and lightning-induced voltage along lines are then computed. The obtained results show that the wide-band models in comparison with lowfrequency models results in considerable effects on the induced voltage.

کلمات کلیدی:

Lightning-induced voltage, EMTP, modified RLC

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