

عنوان مقاله:

An Analysis of the Ground Fault Current Division of 22.9kV-Y Lines

محل انتشار:

بیستمین کنفرانس بین المللی برق (سال: 1384)

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خلاصه مقاله:

During ground faults in power system , large current and raised potential appear at nearby places. This paper presents an analytical procedure of the ground fault current for the towers of a transmission line(154kV) and distribution line(22.9kV) of an arbitrary number of spans during ground faults. In order to protect against undesired consequences economically and securely, it is necessary to evaluate the value and distribution of the ground fault current as precisely as possible.

کلمات کلیدی:

Ground fault current, Division fault currents , Carson's Equation, Earth return Path

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