Combined Method Based On Inversion And Charge Simulation For Calculating Electric Stresses In Three-Core Belted Cables

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Summary

A combined method based on inversion and charge-simulation techniques for calculating the electric field everywhere in three-core belted cables is developed. A small number of simulation charges is required for accurate field determination. The set of equations which describe the potential and field is solved only once with direct determination of the electric potential and field values at any time instant. All of this achieved higher accuracy with a drastic saving in computer time in comparison with previous methods.

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