

Abstracts

On the Application of Complex Resistive Boundary Conditions to Model Transmission Lines Consisting of Very Thin Superconductors (Comments)

S. Amari. "On the Application of Complex Resistive Boundary Conditions to Model Transmission Lines Consisting of Very Thin Superconductors (Comments)." 1995 *Transactions on Microwave Theory and Techniques* 43.4 (Apr. 1995, Part I [T-MTT]): 912-912.

In the above paper, the authors present an elegant method to account for metallic losses in thin superconductors. The extensive numerical effort, which would otherwise be necessary to exactly solve the boundary-value problem, is considerably reduced by using the concept of complex resistive boundary conditions. This idea seems to have been originally introduced by Senior as the authors point out.

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