

Abstracts

Impedance matching for complex loads through nonuniform transmission lines

Gaobiao Xiao and K. Yashiro. "Impedance matching for complex loads through nonuniform transmission lines." 2002 *Transactions on Microwave Theory and Techniques* 50.6 (Jun. 2002 [T-MTT]): 1520-1525.

A numerical method for designing nonuniform transmission lines (NTLs) to match complex loads is presented. This method is based on solving an inverse problem derived from the telegrapher's equation. The matched NTLs are expected to have bandpass characteristics covering the sampling frequency points. A numerical algorithm is provided and verified by examples.

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