

## Simulation of Multiconductor Transmission Lines by Pade Approximation via the Lanczos Process

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*M. Celik and A.C. Cangellaris. "Simulation of Multiconductor Transmission Lines by Pade Approximation via the Lanczos Process." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 729-732.*

We introduce a mathematical model for lossy, multiconductor transmission lines that makes possible the use of the Pade approximation via the Lanczos (PVL) process to the analysis of complex linear networks that contain multiple transmission line systems. Results from numerical experiments are presented to demonstrate the validity and discuss the efficiency of the proposed model.

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