

# Abstracts

## Rigorous 3D EM Simulation and an Efficient Approximate Model of MMIC Overlay Capacitors with Multiple Feedpoints

---

*M. Engels and R.H. Jansen. "Rigorous 3D EM Simulation and an Efficient Approximate Model of MMIC Overlay Capacitors with Multiple Feedpoints." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 757-760.*

A systematic 3D electromagnetic analysis of MIM-capacitors with up to 4 feedstrips has been performed to investigate the electrical effects of feed widths and positions. Based on this, an efficient approximate CAD model of MIM-capacitor N-ports has been developed which is an extension and generalization of a recently published two-port model.

 [Return to main document.](#)