

## Electromagnetic modeling of linear pHEMTs for millimeter waves

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*M. Farina and T. Rozzi. "Electromagnetic modeling of linear pHEMTs for millimeter waves." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1801-1804.*

Current MMIC design, involving frequencies far in the millimeter and sub-millimeter ranges, is faced with the problem of the distributed nature of the devices. In this contribution we introduce a full wave approach to the modeling of pseudomorphic HEMTs under the small-signal hypothesis, validated by comparison with available experimental data.

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