

Abstracts

Instantaneous Model of a MESFET for Use in Linear and Nonlinear Circuit Simulations (Comments)

C. Camacho-Penalosa and J.T. Entrambasaguas-Munoz. "Instantaneous Model of a MESFET for Use in Linear and Nonlinear Circuit Simulations (Comments)." 1993 Transactions on Microwave Theory and Techniques 41.10 (Nov. 1993 [T-MTT]): 2040-2041.

The purpose of this Letter is to address some issues regarding scientific priority, proper references to previously published work and professional ethics. In particular, we would like to comment on the paper by Corbella et al. published in IEEE Transactions on Microwave Theory and Techniques in July 1992. Hereon, we refer to Corbella et al.'s paper as [1]. In such paper, the authors claim to have proposed a "different approach in nonlinear modeling" and "a new circuit topology for the instantaneous simulation of the transistor". On the next page of their article, however, the authors state "The instantaneous model for a transistor, proposed previously in [8], is shown in Fig. 1." It must be noticed that "new" and "proposed previously" are self-contradictory terms, especially because the authors' "instantaneous model" was published in Dr. Entrambasaguas' Ph.D. thesis in 1990 as referenced by the authors in their [8], here referred to as [2].

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