

Object-Oriented Design of Microwave Circuit Simulators

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To meet MMIC designers requirements, CAD softwares must continuously fit new specifications and offer new functions. To achieve this goal software architectures must be as flexible and extensible as possible, which is not the case at present. In this paper, an object-oriented design approach is proposed. An identification of the basic objects of circuit analysis is done and software architecture of typical circuit simulators are presented.

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