# Abstracts

## A computer aided design technique for hybrid and monolithic microwave amplifiers employing distributed equalizers with lumped discontinuities

*A. Aksen and B.S. Yarman. "A computer aided design technique for hybrid and monolithic microwave amplifiers employing distributed equalizers with lumped discontinuities." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 2075-2078 vol.3.*

This paper will address the use of mixed lumped and distributed elements in the matching equalizers of microwave amplifiers for hybrid and monolithic MIC realizations. In this work we show how the computer aided real frequency technique can be extended to design broadband amplifiers employing distributed equalizers with lumped discontinuities. The scattering based two-variable description of lossless equalizers with mixed lumped-distributed elements will be discussed and the potential benefits of the approach will be indicated by examples.

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