

# Abstracts

## New Directions in Computer Field Analysis

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A. Wexler. "New Directions in Computer Field Analysis." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 402-402.

Whenever one devises a mathematical expression to solve a field quantity, one must be concerned with numerical analysis. Other than those engineers involved exclusively in measurements or in the proof of general existence theorems or in administration, the remainder of us are numerical analysts to a degree. Whenever we prescribe a sequence of mathematical operations, we are designing an algorithm. A theory is to us a means of extrapolating our experiences in order to make predictions. A mathematical theory, of a physical problem, produces numbers and a good theory produces accurate numbers easily.

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