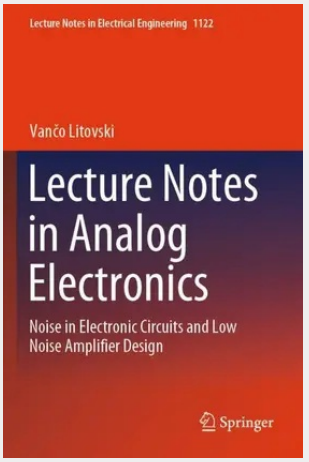
Litovski

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This book discusses unified noise models of the broadest set of electronic components including, resistors, diodes, all types of transistors, and most types of opto-electronic devices. The noise, however, is a phenomenon which is inherent to any technology. It is omnipresent. It is obstructing every application and in many cases special actions must be undertaken to recognize the main function’s signal in the mistiness of the noise. The number of types of noise sources in electronics is almost unlimited. The book offers unique comprehensive approach to noise analysis in electronic circuits based on modified nodal analysis and the superposition theorem. It also encompasses a broadest set of low noise amplifier design procedures covering BJT, MOSET, MESFET, and HEMT technologies.

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