# Abstracts

## A Single Stability Parameter for Linear 2-Port Circuits

A new stability parameter, "$\mu(S)$", is defined for linear 2-port circuits. It is shown that $\mu > 1$ alone is necessary and sufficient for the circuit to be unconditionally stable. This single parameter can replace the traditional Rollet condition $K > 1$ which requires that an additional auxiliary condition also be met for absolute stability.

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