

REVIEW OF H. J. ORCHARD,

"GYRATOR CIRCUITS"

pp. 90-127 of "Active Filters"
edited by L. P. Huelsman, McGraw-Hill, 1970

This chapter reviews the status of active gyrator type circuit realizations. The desire for gyrators in active circuits is developed in terms of inductor simulation with an historical method of treatment used to motivate different types of active gyrator circuits. The properties, limitations, and advantages of various classes of gyrators are discussed with insights into performance characteristics given. Especially valuable are the comments upon effects of losses on Q and the identification of new gyrator circuits. The article is full of insights, nicely summarizes the area covered, and should prove of value to all desiring to understand the gyrator.

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