

A CHAOTIC ATTRACTOR FROM AN AUTONOMOUS  
3-SEGMENT PIECEWISE-LINEAR CIRCUIT

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A B S T R A C T

A chaotic attractor has been observed with an extremely simple electrical circuit.

Consider the circuit of Fig. 1(a) where the nonlinear resistor is characterized by Fig. 1(b). With this simple circuit, a chaotic attractor of Fig. 2 has been observed. In addition to the sheet-like composition, the attractor has an interesting structure called the "double-scroll" structure. Details will be reported elsewhere.

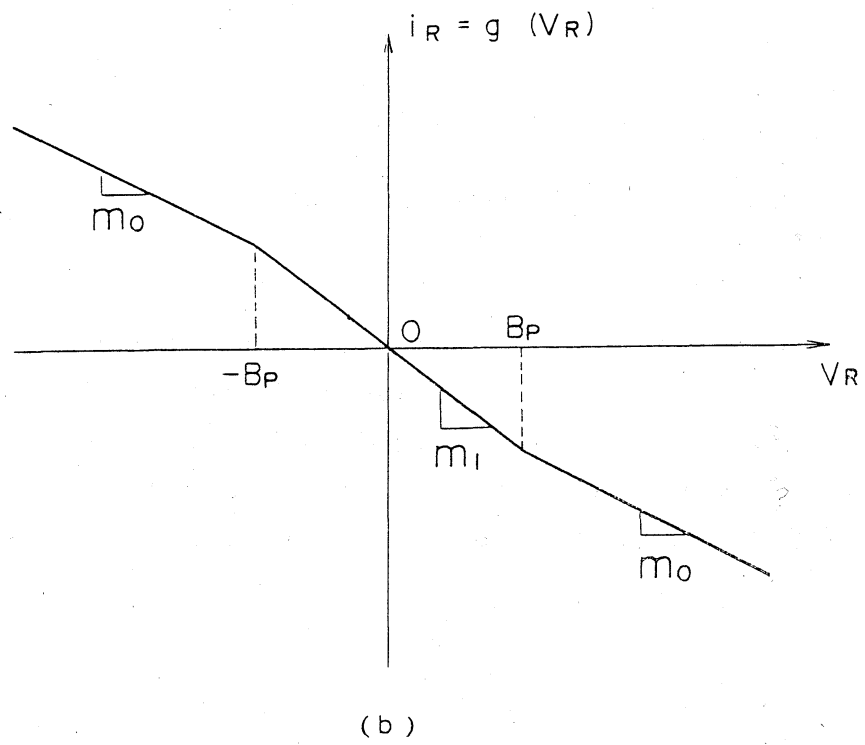
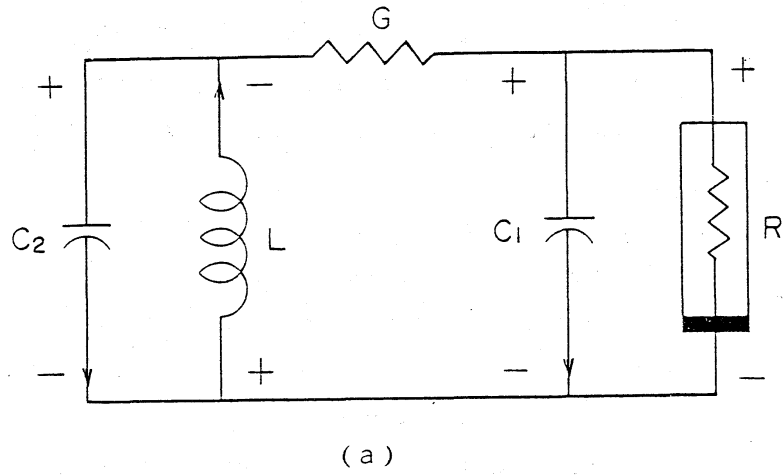


Fig. 1

Fig. 2(a)

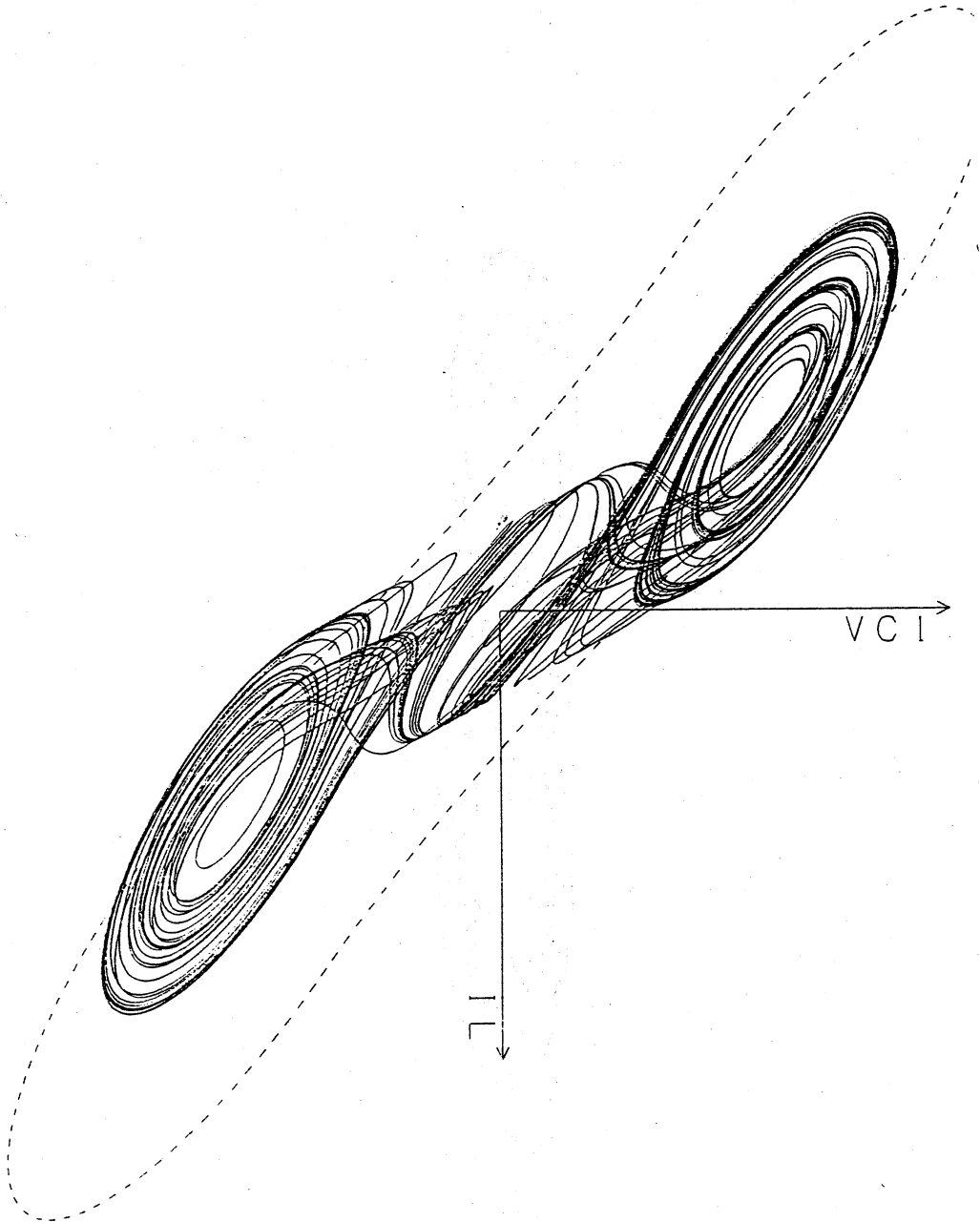
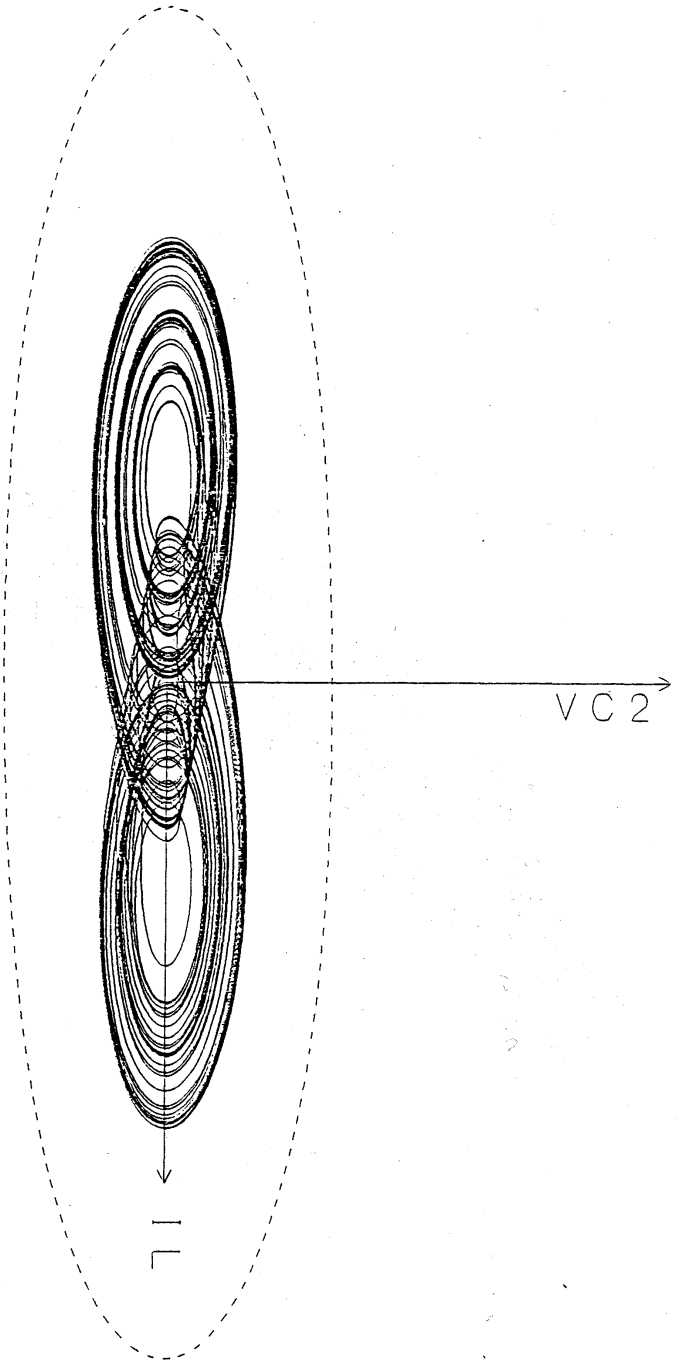


Fig. 2(b)



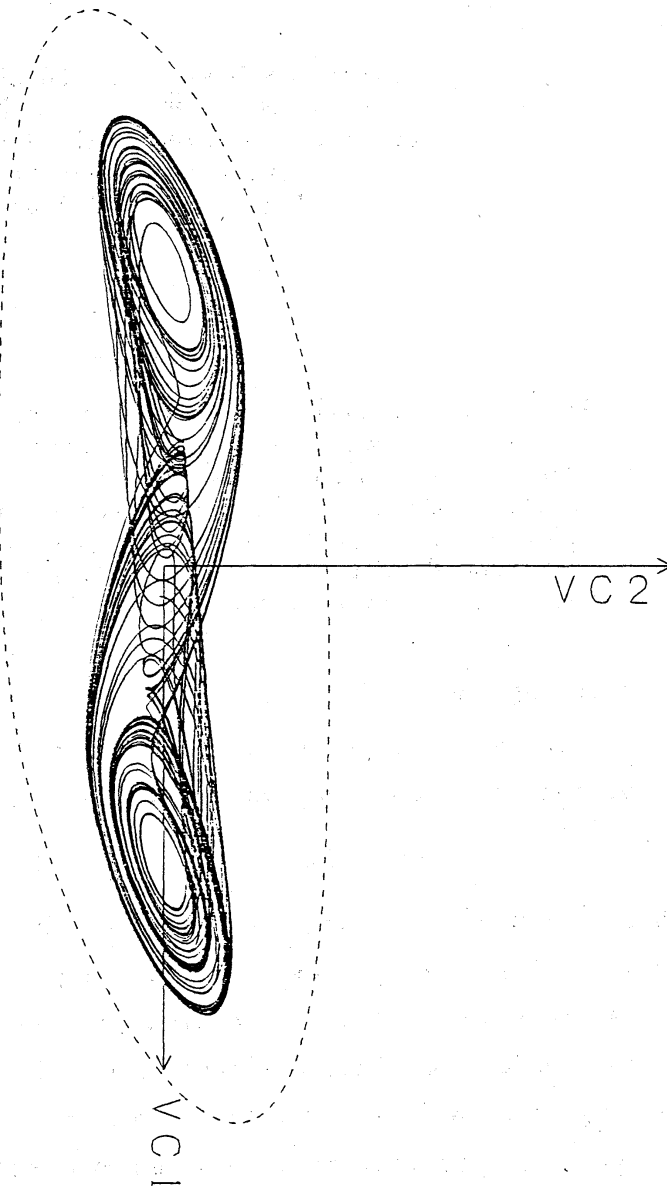


Fig. 2(c)