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March/April 2009

About the Cover

Gary Steinbaugh, AF8L, presents Part 1 of his Cybernetic Sinusoidal Synthesizer. Gary puts automatic control theory into practice to generate high-purity, frequency and amplitude-stabilized sine waves. The project includes an oven-stabilized crystal oscillator, a variable gain RF amplifier with ALC, a PLL frequency synthesizer and an RF power meter with digital readout in dBm as well as an analog voltage output.



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