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## Advanced Techniques in RF Power

Steve C. Cripps Steve C. Cripps is an independent consultant concentrating in the area of RF power amplifier design. He is also the author of Advanced Techniques in RF Power Amplifier Design (Artech House, 2002) and has over 20 years of experience in microwave technology design and development. He received his Ph.D. from Cambridge University.

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## Orthonormal Basis Functions

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Figure 1.10 Device characteristics tailored to give current waveforms having only even harmonics, as shown in Figure 1.9, for sinusoidal voltage input. Conventional Class B using linear device is shown dotted. - "Advanced Techniques in RF Power Amplifier Design"

Figure 1.10 from Advanced Techniques in RF Power Amplifier ...

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for the RF power amplifiers in mobile phone systems becomes more and more popular. Especially, new predistortions for power amplifiers with both nonlinearities and memory effects interest the researchers. In our thesis, novel predistortion techniques are presented for this purpose. Firstly, we improve the digital injection

## Novel Predistortion Techniques for RF Power Amplifiers

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