

Point Blank Music School

Jiyuan Zhang

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e j wot n 1 2 sin n q wot 21 2 sin q wot

21 as shown 27r 1 e j g w 0t n 1 2 sin n

o wot 2 2 sin q wot 2 in figure s14 4 1

note that the spectrum is periodic with

period ix g2 i o 0 0 t 007 7 figure s14 4

1 n i b x qk x ne j k n o x 2 k n

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relatively simple and easy to implement

while some of its basic aspects are

illustrated in this example given 1 5 khz

audio signal is always positive because

its common mode voltage is set to 3 v

while its amplitude is 1 5 vp which

means that its amplitude swing is

between 1 5 v and 4 5 v

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signal with carrier as shown in figure 3

1 hz if x f f b f f figure 3 1 ft of

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transform then can be represented as 9

moreover the amplitude and phase can

be obtained from follows

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modulation amplitude modulation am is

the simplest analog modulation method

to implement here a signal is used to

slowly vary the amplitude of the carrier

according to the level of the modulating signal

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amplitude modulation problem 1 a modulating signal $m(t) = 10 \cos(2\pi \cdot 10^3 t)$ is amplitude modulated with a carrier signal $c(t) = 50 \cos(2\pi \cdot 10^5 t)$ find the modulation index the carrier power and the power required for transmitting am wave solution

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their sub types

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