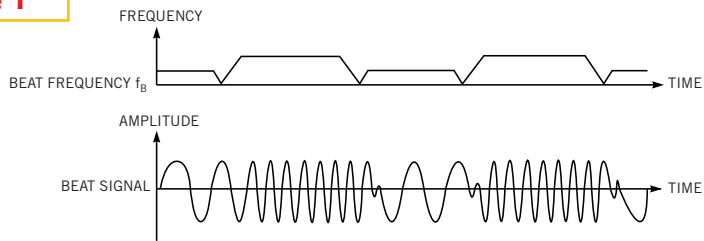


Figure 1



FMCW (frequency-modulated continuous-wave) systems modulate the carrier with a triangular waveform to derive range and relative velocity information from sum-and-difference beat frequencies.