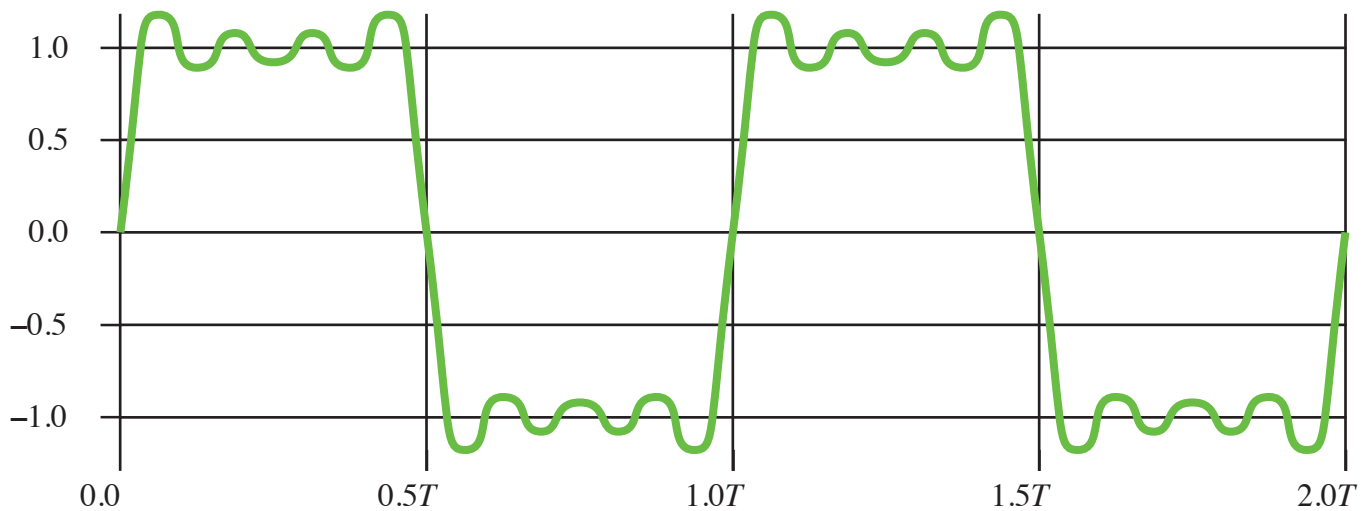
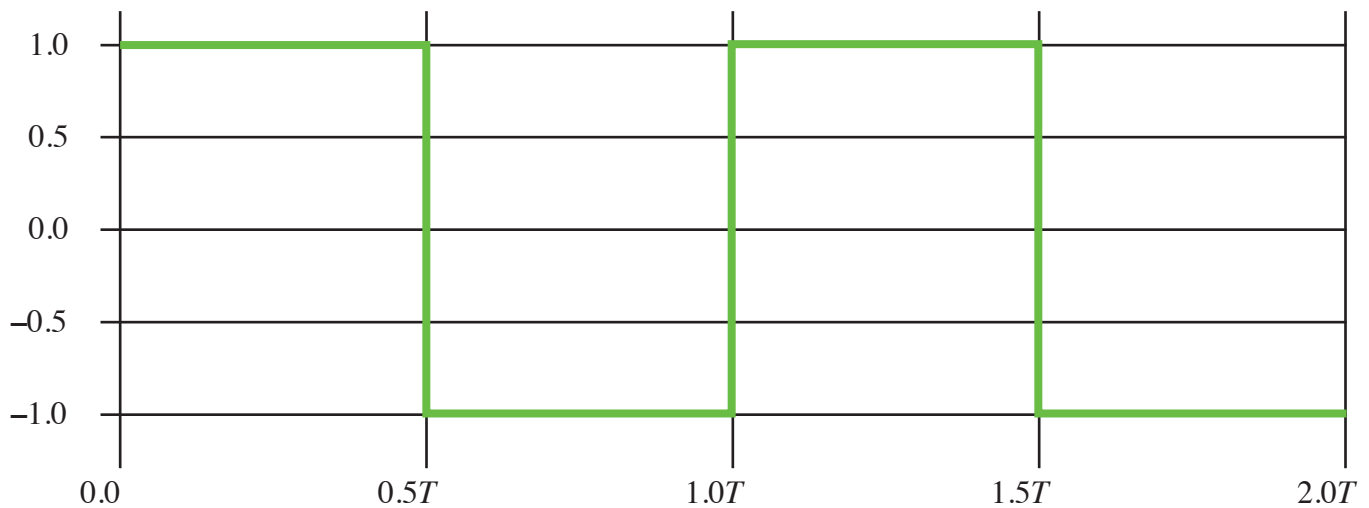


(a)  $(4/\pi) [\sin (2\pi ft) + (1/3) \sin (2\pi(3f)t) + (1/5) \sin (2\pi(5f)t)]$



(b)  $(4/\pi) [\sin (2\pi ft) + (1/3) \sin (2\pi(3f)t) + (1/5) \sin (2\pi(5f)t) + (1/7) \sin (2\pi(7f)t)]$



(c)  $(4/\pi) \sum (1/k) \sin (2\pi(kf)t), \quad \text{for } k \text{ odd}$

**Figure 3.7 Frequency Components of Square Wave ( $T = 1/f$ )**