

Problem 7.13

(a)

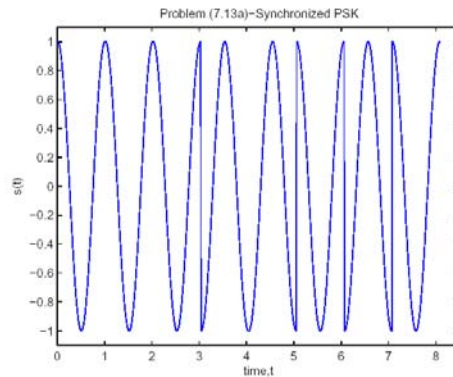


Figure 1

(b)

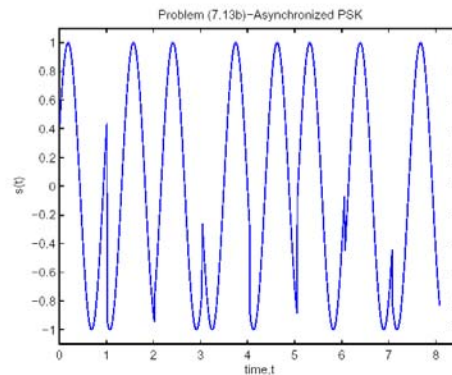


Figure 2

Notes:

- (i) In both Figures 1 and 2, time t is measured in microseconds.
- (ii) For clarity of presentation, the carrier frequency in both figures has been scaled down from 7 MHz to 1 MHz.
- (iii) In Fig. 1 of the solution, there is synchronism between the carrier phase and the times at which the incoming data switch for symbol 1 or 0 or vice versa. No such synchronism exists in Fig. 2.