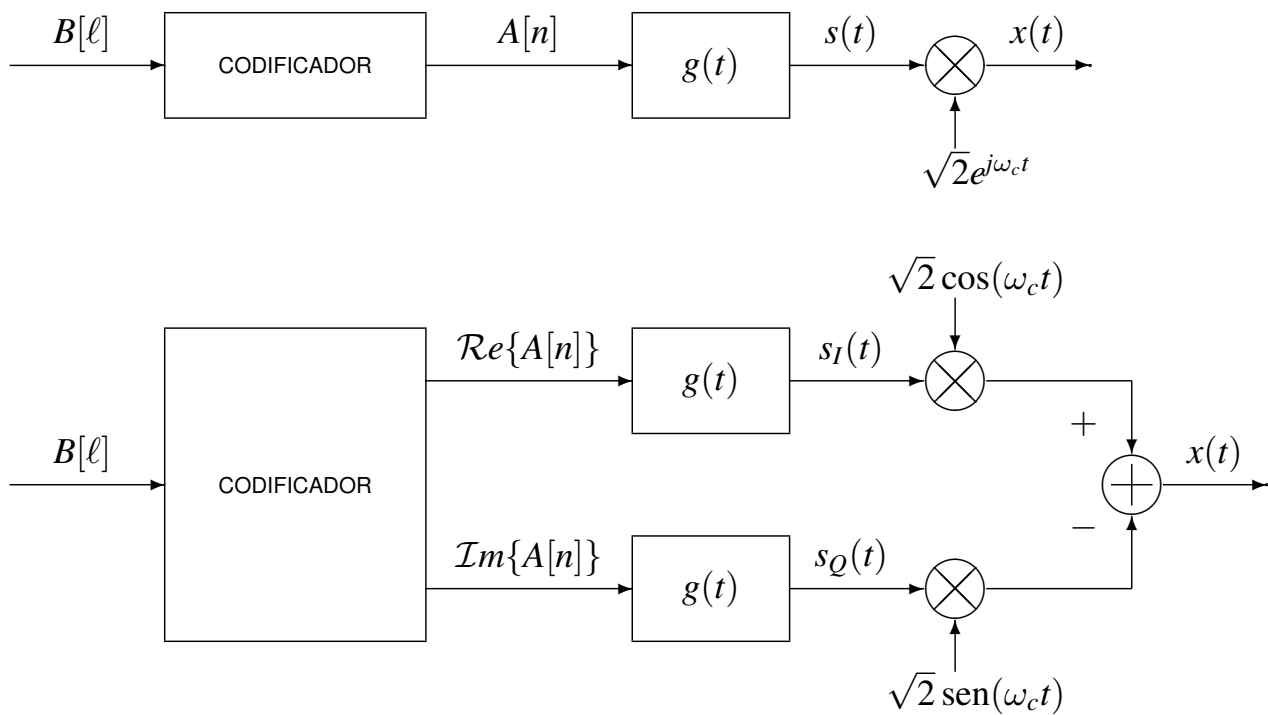
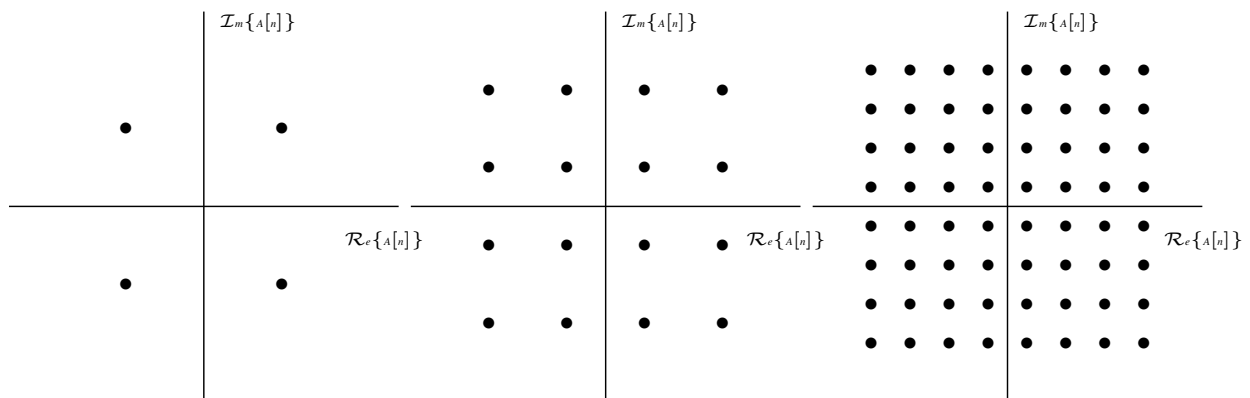


## Modulador PAM paso banda

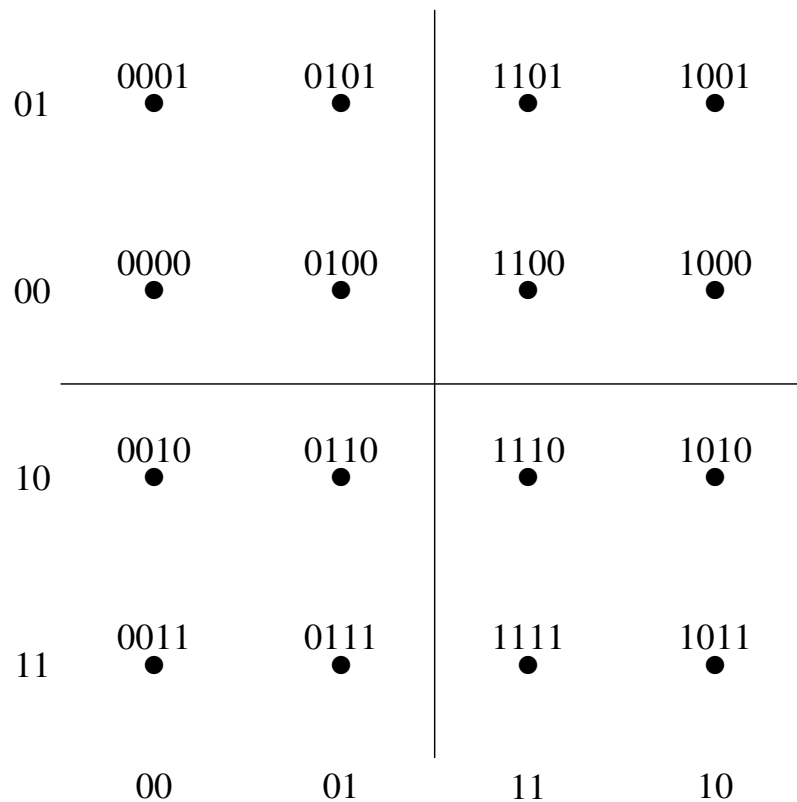


## Constelaciones QAM

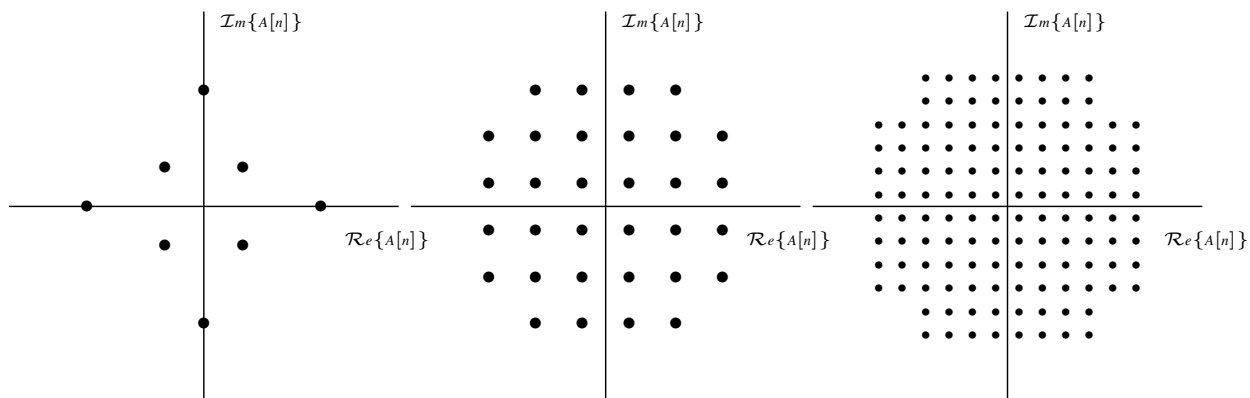


Constelaciones 4-QAM (QPSK), 16-QAM y 64-QAM

## Codificación Gray QAM

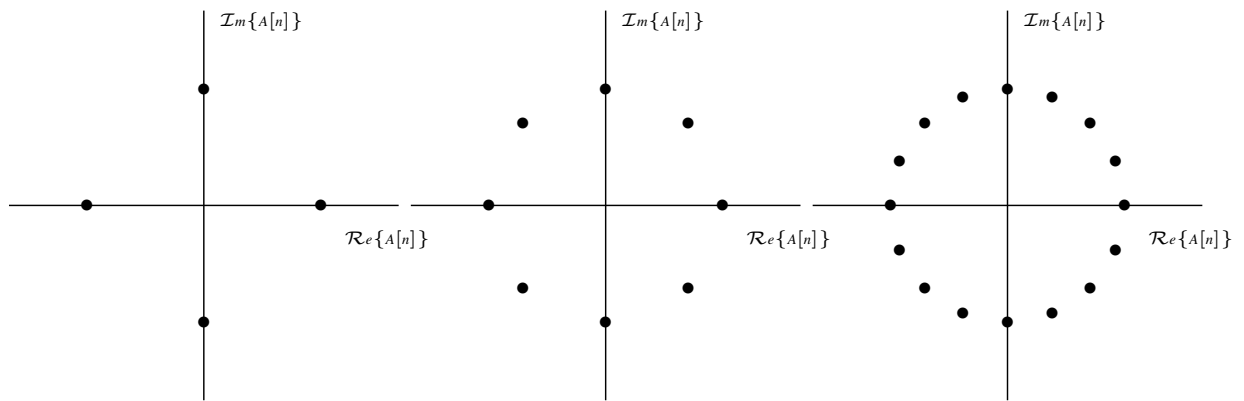


## Constelaciones QAM en cruz



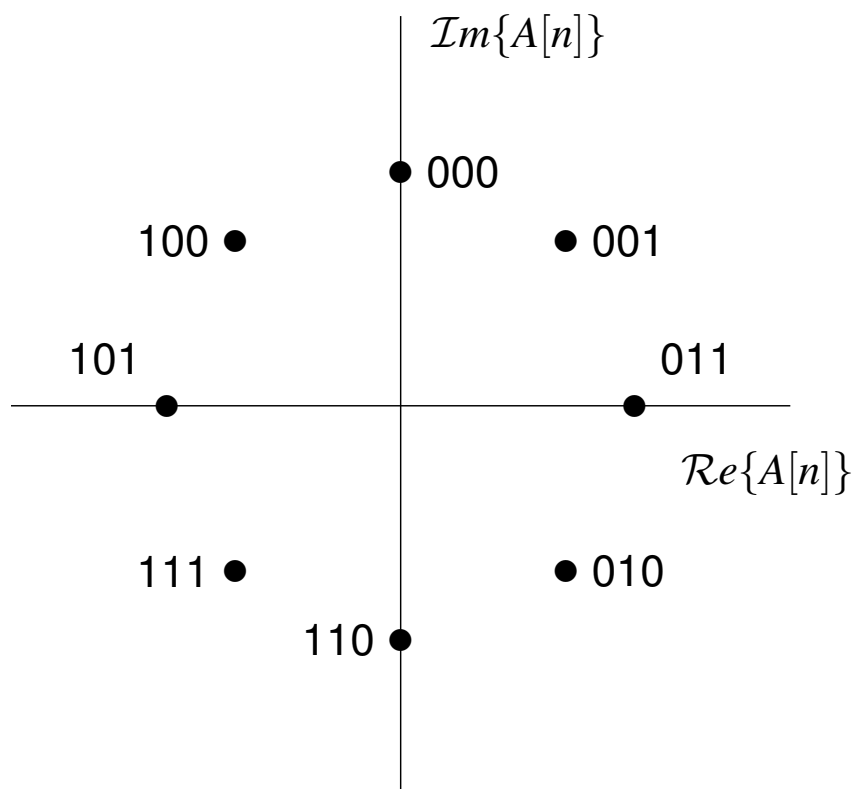
## Constelaciones 8-QAM, 32-QAM y 128-QAM

# Constelaciones PSK

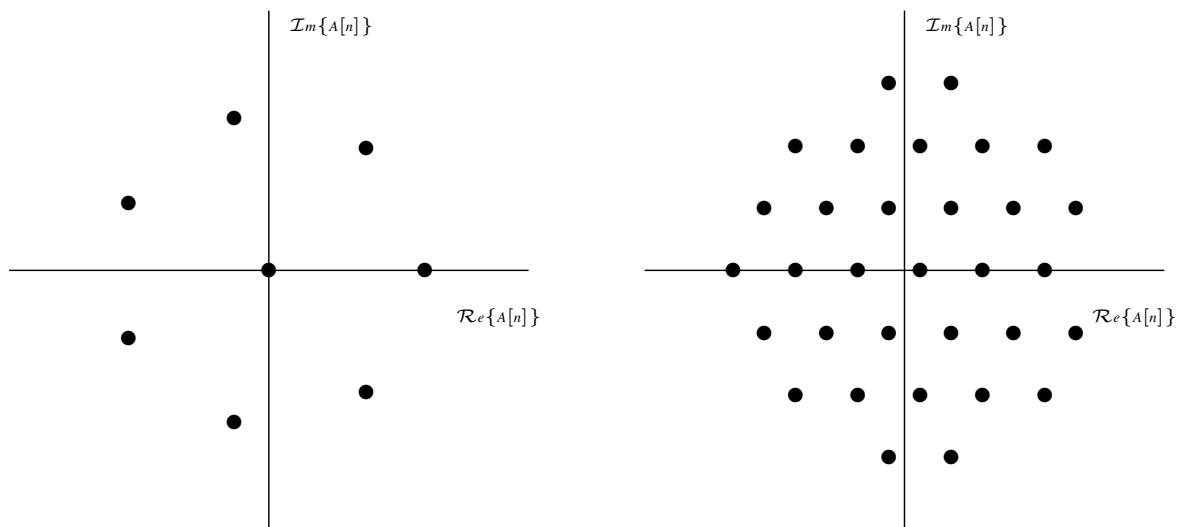


Constelaciones 4-PSK (QPSK), 8-PSK y 16-PSK

# Codificación Gray PSK

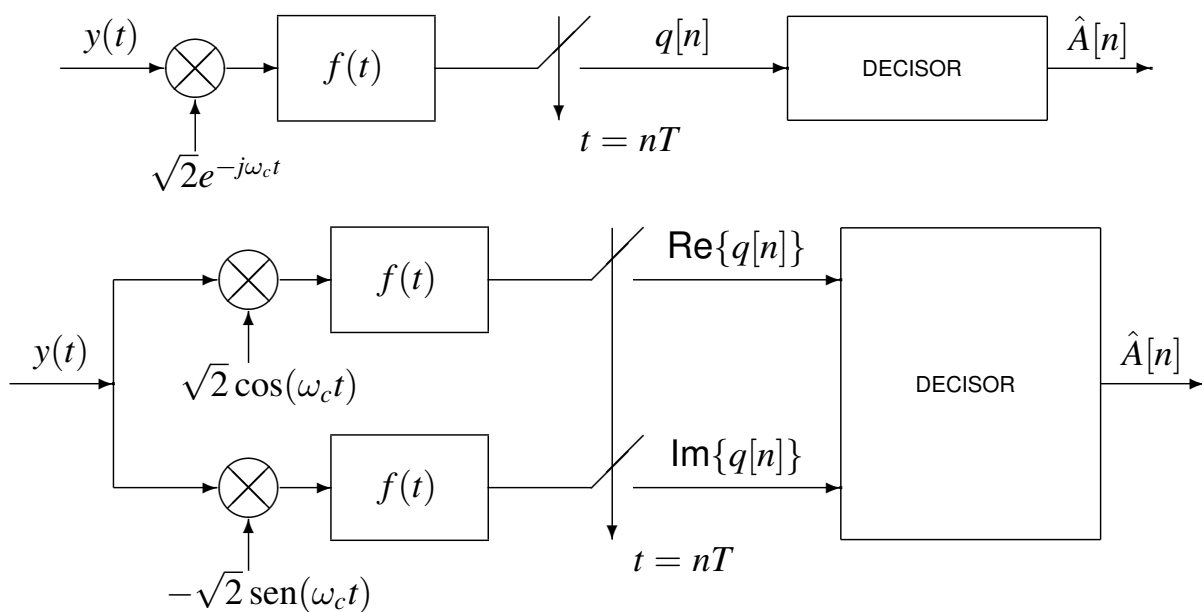


## Otras constelaciones

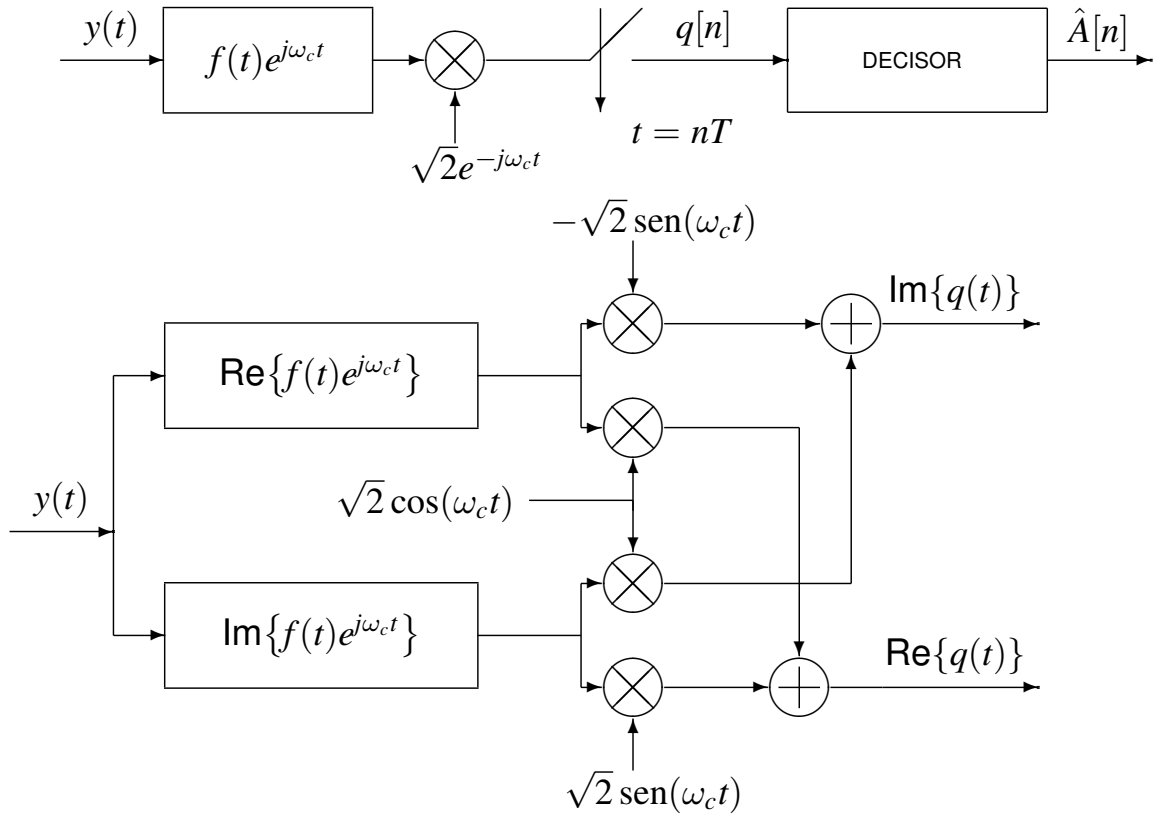


Constelaciones 1-7-AM-PM y 32-hexagonal

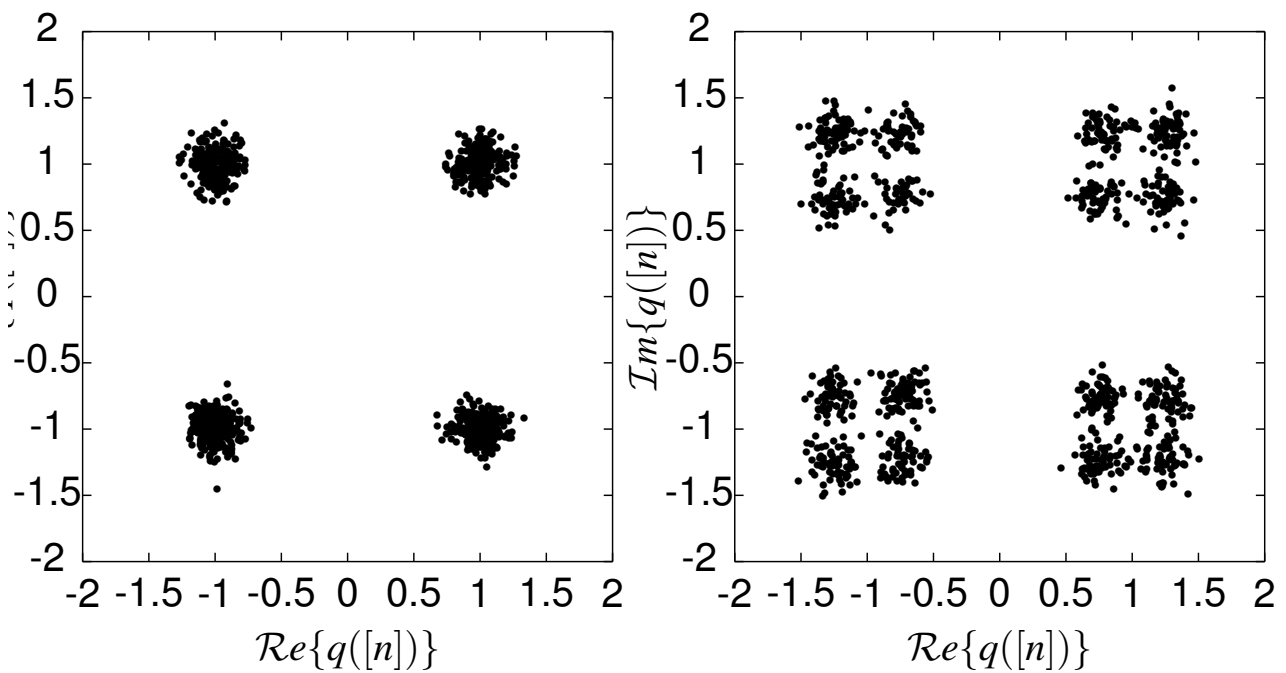
## Demodulador PAM paso banda



## Demodulador PAM paso banda



## Diagrama de Dispersion



$$p[n] = \delta[n]$$

$$p[n] = \delta[n] - 0,25\delta[n - 1]$$