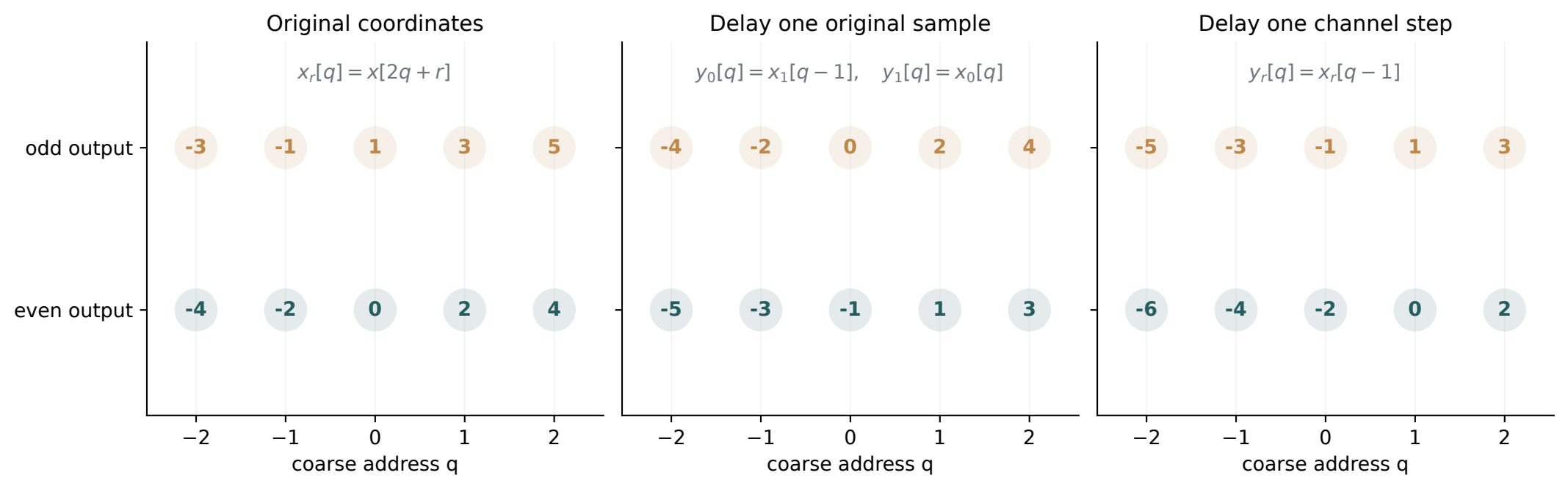

Original coordinates
$x_r[q] = x[2q + r]$
Delay one original sample
$y_0[q] = x_1[q - 1], \quad y_1[q] = x_0[q]$
Delay one channel step
$y_r[q] = x_r[q - 1]$
odd output
even output
-3 -1 1 3 5
-4 -2 0 2 4
-4 -2 0 2 4
-5 -3 -1 1 3
-5 -3 -1 1 3
-6 -4 -2 0 2
−2 −1 0 1 2
coarse address q