$$C(q) = D(q) = 1$$

$$U(H) = \frac{B(q_1\theta)}{F(q_1\theta)} u(H) + e(H)$$

$$\overline{F(q_1\theta)} = \frac{B(q_1\theta)}{F(q_1\theta)} u(H)$$

$$\overline{F(q_1\theta)}$$

- F(910) 3 (+ | +-1,0) = B(910) 4(+)
- (+++-1,0)= (1-F(910))y (+++-110) +3(910) u(+)

 delayer (past) solves
 of presidence

prediction is renther in o

$$\mp(q) = D(q) = A(q)$$

$$y(H) = \frac{B(q_1\theta)}{A(q_1\theta)} u(H) + \frac{C(q_1\theta)}{A(q_1\theta)} e(H)$$

$$\widehat{\mathcal{J}}(+|+-1|\theta) = \frac{\mathbb{E}(q_1\theta)}{C(q_1\theta)} u(+) + \frac{C(q_1\theta) - A(q_1\theta)}{C(q_1\theta)} \mathcal{J}(+)$$

E(+10)

Prediction

As on UE) for ARMAX:

$$g(+|+-1|\theta) = \theta^{T}(l(+|\theta))$$
Loderer's on θ was g

prediction is nonlinear in 0.