$$\angle (12) = [2 - (0.6+j0.4)][2 - (0.6-j0.4)]$$

= $2^2 - 1.22 + 0.2$

$$(a+bj)(a-bj) = a^2 + abj + a$$

$$= [25 -2.5] \begin{bmatrix} 0.32 & 0.16 \\ 0 & 0.32 \end{bmatrix}$$

$$\chi(k+1) = \begin{bmatrix} A_{00} & A_{0b} \\ A_{00} & A_{0b} \end{bmatrix} \begin{bmatrix} x_{1}(k) \\ x_{2}(k) \end{bmatrix} + \begin{bmatrix} B_{0} \\ B_{0} \end{bmatrix} (L(k))$$

$$y(k) = \begin{bmatrix} 1 & 0 \end{bmatrix} \begin{bmatrix} x_{1}(k) \\ x_{2}(k) \end{bmatrix}$$

$$d_{0}(z) = z$$

$$d_{0}(A_{0b}) = 1$$

$$[A_{0}b]^{-1} = 0.2^{-1} = 5$$

$$[x = d_{0}(A_{0b}) [A_{0}b]^{-1}[1] = [x \pm x 1 = 5]$$

$$[x = d_{0}(A_{0b}) [A_{0}b]^{-1}[1] = [x \pm x 1 = 5]$$

$$[x = d_{0}(A_{0b}) [A_{0}b]^{-1}[1] = [x \pm x 1 = 5]$$

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