H= / HI / Hz 2x1 mean vector $\leq \begin{pmatrix} & & & \\ & &$ Conditional Destribution of XZ guen XI = 24 is Condition Distribution

For the case of 5 Navide normal Maynel ADF of XILX2

Of XI $6 \times 21 \times 1 \left(2 \times 2 \times 1 \times 1 = 24 \right) = 6 \times 1, \times 2 \left(21, 21 \right)$ $-\frac{1}{2(1-a^{2})}\left[\frac{(24-11)^{2}}{1}+\frac{(24-11)^{2}}{1}-2a(24-11)(24-12)^{2}\right]$

$$= \frac{1}{2(1-a^{2})} \left[\frac{(a_{1}-h_{1})^{2} + (a_{2}+h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}+h_{2})}{(a_{4}-h_{1})^{2}} \right]$$

$$= \frac{1}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}+h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}+h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{2}-h_{2})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{4}-h_{1})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{4}-h_{1})^{2} - 2a(a_{4}-h_{1})(a_{2}-h_{2})}{2\pi} \right]$$

$$= \frac{2}{2(1-a^{2})} \left[\frac{a^{2}(a_{4}-h_{1})^{2} + (a_{4}-h_{1})^{2} - 2a(a_{4}-h_{1})(a_{4}-h$$

 $\int_{X2} |X_1| (m_2 |X_1 = m_1) = N(H_2 + 4 (m_1 + m_2))$ $\int_{X1} |X_2| (m_1 |X_2 = m_2) = N(H_4 + \alpha (m_2 + \mu_2), (1-\alpha^2))$