(a) 6.4 $(\lambda_0)_{5}$ $(\overline{\chi}, E(\chi_{i}) = M)$ $(\chi_{i}(\chi_{i}) = \Omega^{2} = E(\chi_{i}^{2}) - M^{2}$ $(\overline{\chi}, E(\chi_{i}) = M)$ $(\overline{\chi}, E(\chi_{i}) = M)$ $(\overline{\chi$

 $E(\hat{A}_{z}) = E\left(\frac{\sum_{i=1}^{n}(\chi_{i} - \bar{\chi})^{2}}{n-i}\right) = \frac{1}{n-i}E\left(\frac{\sum_{i=1}^{n}\chi_{i}^{2} - n\bar{\chi}^{2}}{\lambda_{i}^{2} - n\bar{\chi}^{2}}\right)$ $= \frac{1}{n-i}\left(n\alpha^{2} + nM^{2} - \alpha^{2} - nM^{2}\right) = \alpha^{2}$

お、 $\hat{G}_{s} = \left(\frac{\hat{Z}_{s}(\chi_{s} - \bar{\chi})^{2}}{n-1}\right)$ 為母体雪果園、 $G^{2} \geq \pi$ 偏估計

而Â, > (系(水-文)²) 為母体弯里和C²之偏誤后計