Lab Book 7c

A
$$\in \mathbb{R}^{m,n}$$
 $m\{[]$ $n\}$ A^T
 A^T
 $A = \begin{bmatrix} A_{11} & \cdots & A_{m_1} \\ A_{22} & \cdots & \cdots \\ A_{m_1} & \cdots & A_{m_n} \end{bmatrix}$
 A^T
 $A = \begin{bmatrix} A_{11} & \cdots & A_{m_1} \\ A_{22} & \cdots & \cdots \\ A_{m_1} & \cdots & A_{m_n} \end{bmatrix}$

identisty trace
$$(A^{?}A) = \tilde{Z} A_{\vartheta_{1}}^{2} + \tilde{Z} A_{\vartheta_{2}}^{2} + \cdots + \tilde{Z} A_{\vartheta_{n}}^{2}$$

$$= \tilde{Z} \tilde{Z} A_{\vartheta_{1}}^{2}$$