var (u) = var (L·m)

= L·var(m) L

= L·var(m) L

with var (m) being a diagonal matrix Desith

aliagonal elements

$$\frac{1}{5} = \frac{1}{4} (\overline{15}, \overline{16}) \overline{5} =$$

(3): no povents Known

$$= \begin{array}{c} \Rightarrow var(u) = L \cdot D\overline{v}L^{T} \quad \text{where } \overline{h}_{v}^{2}D = var(m) \\ = L \cdot D \cdot L^{T} \cdot \overline{h}_{u}^{2} \\ = A \cdot \overline{h}_{u}^{2} \end{array}$$