

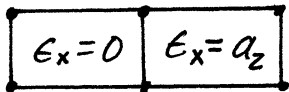
$$\boxed{1,3-2} \quad u = a_1 + a_2x + a_3y + a_4xy$$

$$\epsilon_x = \frac{\partial u}{\partial x} = a_2 + a_4y$$

Continuity of ϵ_x : might have

$a_2 = a_4 = 0$ in one element and

$a_2 \neq 0, a_4 = 0$ in its neighbor. Thus



$$\begin{array}{|c|c|} \hline \epsilon_x = 0 & \epsilon_x = a_2 \\ \hline \end{array}$$

and ϵ_x is discontinuous across the shared boundary.