COLUMN GEOMETRY span $\begin{vmatrix} 1 & 1 \\ V_1 & V_2 \end{vmatrix}$ A_3 $\bigwedge W_3^T$ A_2 A_1 span $\begin{vmatrix} V_1 & V_2 \end{vmatrix}$ span $\begin{vmatrix} V_1 & V_2 \end{vmatrix}$

