$$\begin{vmatrix} \tilde{T}_{3}\Delta x_{1}\Delta x_{2} \Big|_{x_{3}+\Delta x_{3}} \\ -\tilde{T}_{1}\Delta x_{2}\Delta x_{3} \Big|_{x_{1}+\Delta x_{1}} \\ \tilde{B}\Delta x_{1}\Delta x_{2}\Delta x_{3} \Big|_{x_{1}+\Delta x_{2}} \\ -\tilde{T}_{3}\Delta x_{1}\Delta x_{2} \Big|_{x_{3}} \end{vmatrix}$$