

Find the flux of $\vec{F} = \langle (3x-4y)^2, \sin(z-2y), \sin(x+y) \rangle$ through the boundary ∂T of the tetrahedron T with vertices $A = (1, 1, 1)$, $B = (4, 1, 4)$, $C = (1, 2, 3)$, $D = (3, 2, 1)$ 58