

then we can find potential f(x,y,z) with $\vec{F} = \nabla \vec{F}$. $f(\vec{x}) = \iint \vec{F} \cdot d\vec{s} = \iint \vec{F} \cdot (-\vec{n}) dA$ Unbounded of $\int f(x,y,z) = \int \int \vec{F} \cdot (-\vec{n}) dA$ Surface of $\int f(x,y,z) = \int \int \vec{F} \cdot (-\vec{n}) dA$ 30 valueme \vec{E}