



Ytladdningstäthet σ (C/m²)

\mathbf{e}_n (normalvektor) $\Rightarrow \mathbf{E}(\mathbf{x}) = \frac{\sigma(\mathbf{x})}{\varepsilon_0} \mathbf{e}_n$, för \mathbf{x} nära S

Yta S

The diagram shows a wavy line representing a surface S. To the left of the surface, there is a label 'Ytladdningstäthet σ (C/m²)'. Above the surface, there is a label 'e_n (normalvektor)' with an arrow pointing upwards and to the right, perpendicular to the surface. To the right of the surface, there is a label 'Yta S'. To the right of the normal vector label, there is an equation: '⇒ E(x) = σ(x)/ε₀ e_n, för x nära S'.