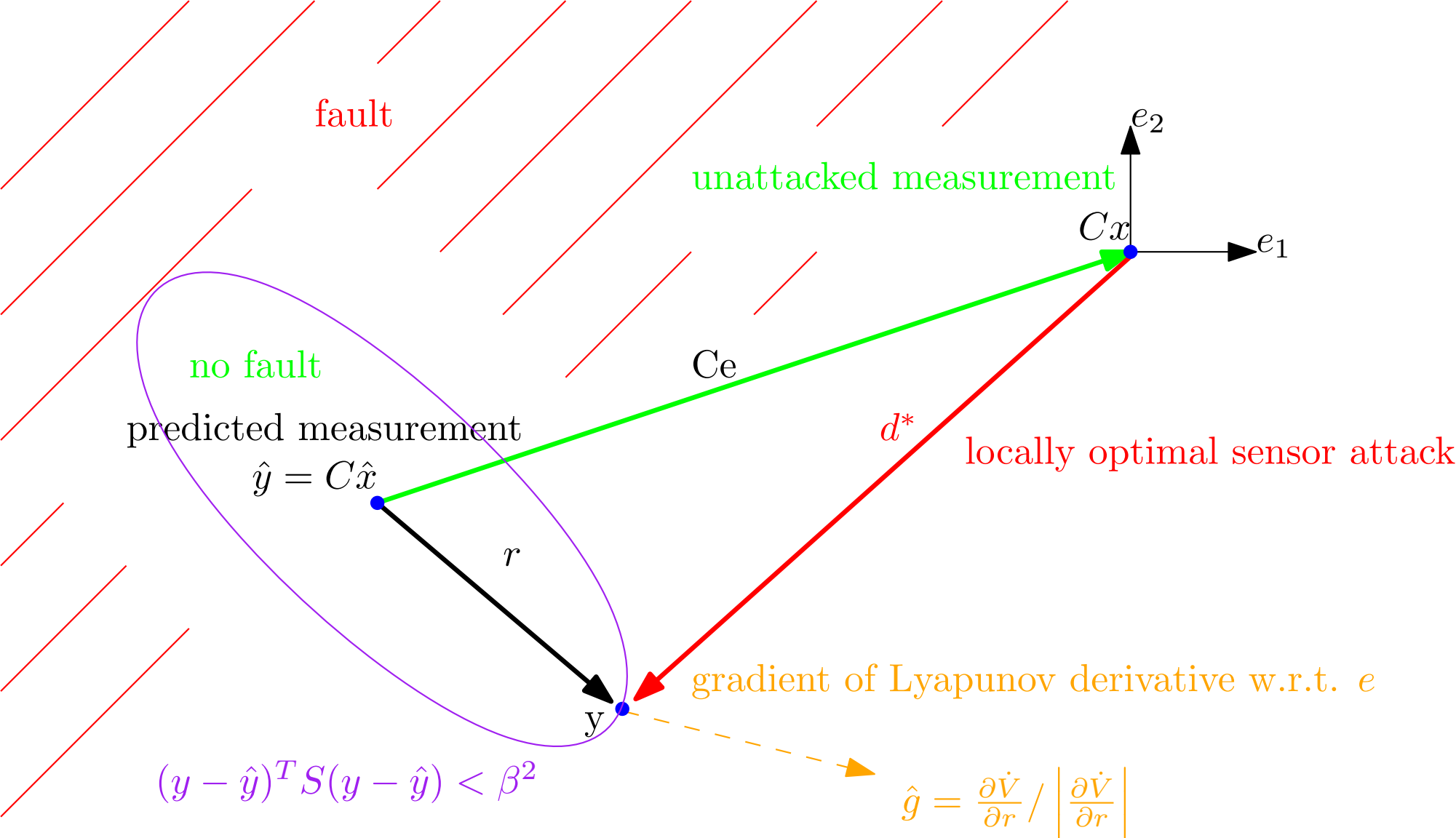
fault
unattacked measurement
e_2
Cx
e_1
no fault
Ce
predicted measurement
$\hat{y} = C\hat{x}$
d^*
locally optimal sensor attack
r
y
gradient of Lyapunov derivative w.r.t. e
$(y-\hat{y})^T S(y-\hat{y}) < \beta^2$
$\hat{g} = \frac{\partial \dot{V}}{\partial r} / \left| \frac{\partial \dot{V}}{\partial r} \right|$