$q\hat{k}\big|_{s+\Delta s}$

$-q\hat{t}\big|_{z}$

$-n_z\vec{k}\big|_{z}$

$n_s\hat{t}\big|_{s+\Delta s}$

Δs Δz

$-q\hat{k}\big|_{s}$

$n_z\vec{k}\big|_{z+\Delta z}$

$-n_s\hat{t}\big|_{s}$

$q\hat{t}\big|_{z+\Delta z}$