



positive in  $\hat{S}$  direction  $\rightarrow$  انتطابق

$$I_\lambda(\hat{r}, \hat{s}, t) \equiv$$

$dQ_1(\hat{s}) \equiv$   
 $\downarrow$   
 positive in  
 $\hat{s}$  direction

$$\hat{S}(n) = \begin{cases} \hat{S}_0(n) & ; 0 \leq n \leq 2\pi \\ \hat{S}_i(n^*) & ; 2\pi \leq n \leq 4\pi \end{cases}$$

جستجوی  $\pi$

$$\mathcal{L}^{\kappa}(\theta, \phi) = \mathcal{L}(\pi - \theta, \pi + \phi)$$

$$\rightarrow \left\{ \begin{array}{l} 0 < \varphi < 2\pi : I_A = \frac{dQ_{A,0}(\hat{S}_0)}{dA(\hat{n} \cdot \hat{S}_0) d\varphi d\varphi} = I_{A,0}(\hat{S}_0) \\ 2\pi < \varphi < 4\pi : I_A = - \frac{dQ_{A,i}(\hat{S}_i^*)}{dA(\hat{n} \cdot \hat{S}_i^*) d\varphi d\varphi} = I_{A,i}(\hat{S}_i^*) \end{array} \right.$$

$$q''_{\lambda} = \int \left( \frac{dQ_A(\hat{s})}{dA_s d\lambda} \right) = \int I_{\lambda} \hat{s} d\Omega$$

$$\vec{q}''_{rad} = \int \vec{q}''_A dA \quad (2.7)$$



Subject :

Year.

net flux  
in positive  
direction

Date.

( )

$$q''_{\lambda, \hat{n}} = \vec{q}_{\lambda} \cdot \vec{n} = \int_{4\pi} I_{\lambda}(\hat{n} \cdot \hat{s}) d\Omega = \int_{4\pi} \frac{dQ_{\lambda}(\hat{s})}{dA d\Omega} = \frac{1}{dA d\Omega} \left[ \int_0^{2\pi} dQ_{\lambda, 0} - \int dQ_{\lambda, 1} \right]$$

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۱۱۰۰ طے ۸ مار کانی ۵

$$\Rightarrow \dot{Q}_{\text{rad}} = -\vec{\nabla} \cdot \vec{q} =$$

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$\vec{q}_{\text{rad}} = \int_A \vec{q}_{\text{rad}} \cdot \hat{n} dA = - \int_V \vec{\nabla} \cdot \vec{q}_{\text{rad}} dV \xrightarrow{V \rightarrow dV} \frac{d\dot{Q}_{\text{rad}}}{dV} = - \vec{\nabla} \cdot \vec{q}_{\text{rad}}$

in net

Stokes theorem