

Object space
 $\mathcal{U} = \mathcal{L}_2(\mathbb{R}^2)$

Data space
 $\mathcal{V} = \mathcal{L}_2(\mathbb{R}^2)$

Point spread
function

$$\int_{\mathbb{R}^2} d\mathbf{r}_o h(\mathbf{r}_d - \mathbf{r}_o) f(\mathbf{r}_o)$$

$f(\mathbf{r}_o)$
Monopole
density

$g(\mathbf{r}_d)$
Irradiance

$\mathcal{F}_{\mathbb{R}^2}$

Optical transfer
function

$$H(\boldsymbol{\nu}) F(\boldsymbol{\nu})$$

$F(\boldsymbol{\nu})$
Monopole
spectrum

$\mathcal{F}_{\mathbb{R}^2}^{-1}$

$G(\boldsymbol{\nu})$
Irradiance
spectrum