

Transmitter

**Linear time-invariant
(discrete) system**

Receiver

$\mathbf{X}(n)$

$\mathbf{H}[\cdot]$

$\mathbf{Y}(n)$

Source region

Destination region

$\mathbf{J}(s)$

$\mathbf{G}(\mathbf{r}, s)$

$\mathbf{E}(\mathbf{r})$

**Linear space-invariant
(continuous) system**

