

Optimization Function

$$\begin{bmatrix} \widehat{\mathbb{Y}}_{1,1} & \cdots & \widehat{\mathbb{Y}}_{1,n} \\ \vdots & \ddots & \vdots \\ \widehat{\mathbb{Y}}_{m,1} & \cdots & \widehat{\mathbb{Y}}_{m,n} \end{bmatrix} \xrightarrow{ \begin{array}{c} \min_{\mathbb{X}} \left\| \widehat{\mathbb{Y}} - \mathbb{X} \right\|_{1} + \lambda \left\| \mathbb{D} \mathbb{X} \right\|_{1} \\ \vdots & \ddots & \vdots \\ \mathbb{Z}_{m,1} & \cdots & \mathbb{Z}_{m,n} \end{bmatrix} } \begin{bmatrix} \mathbb{X}_{1,1} & \cdots & \mathbb{X}_{1,n} \\ \vdots & \ddots & \vdots \\ \mathbb{X}_{m,1} & \cdots & \mathbb{X}_{m,n} \end{bmatrix}$$

Hyperspectral Image from HyRes

Noise-free HSI

H Y Mi No R

