

$$d = A_j G + B_j$$

$$(d - D_{H,-4})$$

$$Q = \sum_{j=1}^N \sum_{i \in \mathcal{N}(j)} \|w_{i,j}(d_{i,j} - D_{H,j})\|^2$$

Regularization

$$+ \sum_{j=1}^M \lambda (D_{L,j} - D_{H,j})^2$$

Data Fidelity

● D_H (High Res.)

○ D_L (Low Res.)

● I (Color)

-4

-3

-2

-1

0

1

2

3

4

Pixel Neighborhood (relative)

G