$$C(x,y) = \frac{(\sum_n \sum_i c_{n,i} w_{n,i} R_n)}{(\sum_n \sum_i w_{n,i} R_n)}$$

where

- $c \in \mathbb{R}^{x \times y}$:the value of the Bayer pixel
- $w \in \mathbb{R}^{x \times y}$:the local sample weight
- $R \in \mathbb{R}^{x}$:the local robustness