$$C(x,y) = \frac{\left(\sum_n \sum_i c_{n,i} w_{n,i} \hat{R}_n\right)}{\left(\sum_n \sum_i w_{n,i} \hat{R}_n\right)}$$

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
- $\hat{R} \in \mathbb{R}^{x}$ the local robustness