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

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

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