

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

where

$c \in \mathbb{R}^{f \times s}$ the value of the Bayer pixel

$w \in \mathbb{R}^{f \times s}$ the local sample weight

$R \in \mathbb{R}^f$ the local robustness