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

where

$$\begin{aligned} c &\in \mathbb{R}^{f \times s} \text{ the value of the Bayer pixel} \\ w &\in \mathbb{R}^{f \times s} \text{ the local sample weight} \\ R &\in \mathbb{R}^{f} \text{ the local robustness} \end{aligned}$$