RMSE

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There are five methods which the researchers chosen to do the transmission map refinement [1], Bilateral, Gaussion, Soft matting, Cross-bilateral and Guided filter. At this paper, Lee *et al.* [1] compare the average root-mean-square eror(RMSE) obtained by the five methods to evalute the quality of the images.

We can see at the Table 1, the soft matting performed the best, and the cross-bilateral and guided filters showed comparable second-best performance.

Table 1: Comparison of the RMSE values obtained by five methods

RMSE of transmission map				
Gaussion	Bilateral	Soft matting	Cross-Bilateral	Guided filter
0.2109	0.2057	0.1826	0.1971	0.1969

References

[1] Sungmin Lee, Seokmin Yun, Ju Hun Nam, Chee Sun Won, and Seung Won Jung. A review on dark channel prior based image dehazing algorithms. *Eurasip Journal on Image Video Processing*, 2016(1):4, 2016.