一些综合性的研究已经讨论了各种类型的匹配成本计算方法的性能。

Banks, J., & Corke, P. (2001). Quantitative Evaluation of Matching Methods and Validity Measures for Stereo Vision. The International Journal of Robotics Research, 20(7), 512–532.

Hirschmuller H , Scharstein D . Evaluation of Cost Functions for Stereo Matching[C]// 2007 IEEE Conference on Computer Vision and Pattern Recognition. IEEE Computer Society, 2007.

Hu X , Mordohai P . A Quantitative Evaluation of Confidence Measures for Stereo Vision[J]. IEEE Transactions on Pattern Analysis & Machine Intelligence, 2012, 34(11):2121-2133.

一些发现census变换对于图像的辐射畸变具有固有的鲁棒性并观察到census变换优于其他匹配成本计算方法（应该是在抗辐射畸变方面吧），