CorrMoE: Mixture of Experts with De-stylization Learning for Cross-Scene and Cross-Domain Correspondence Pruning

Supplementary Material

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In the supplementary material, we present additional visualizations. Fig. 1 shows more 3D reconstruction results. In the first and third rows, our CorrMoE achieves notably better results compared to the other four methods. Fig. 2, Fig. 3, Fig. 4 and Fig. 5 presents additional results of the correspondence pruning. Compared to recent advanced methods such as BCLNet [3] and NCM-Net [2], our method consistently achieves superior performance.

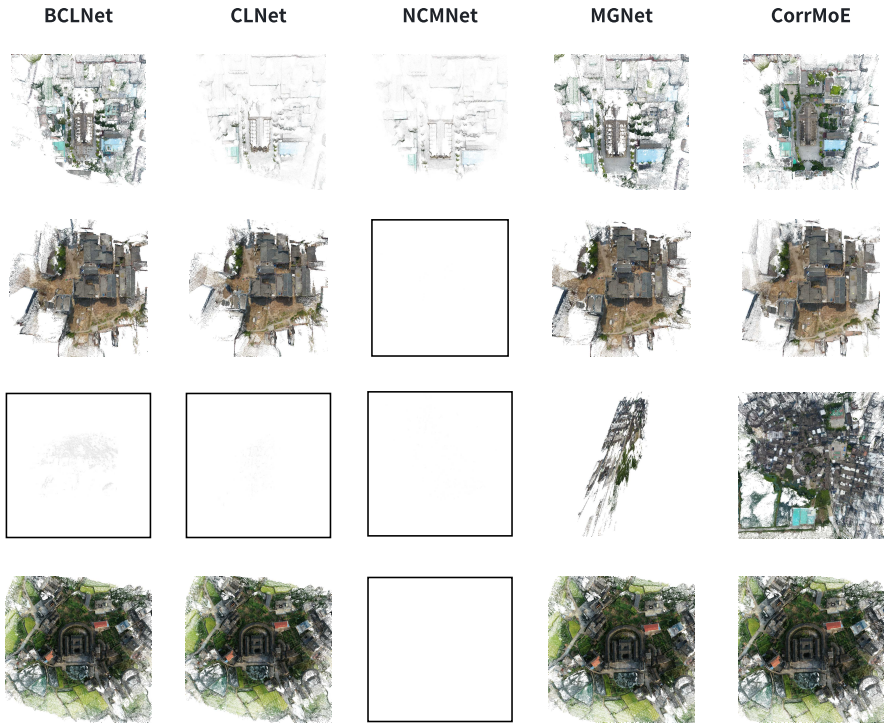

Figure 1: More 3D reconstruction results. From left to right are the results of BCLNet [3], CLNet [4], NCMNet [2], MGNet [1], and our CorrMoE. The black boxes indicate buildings where the methods struggle to reconstruct.

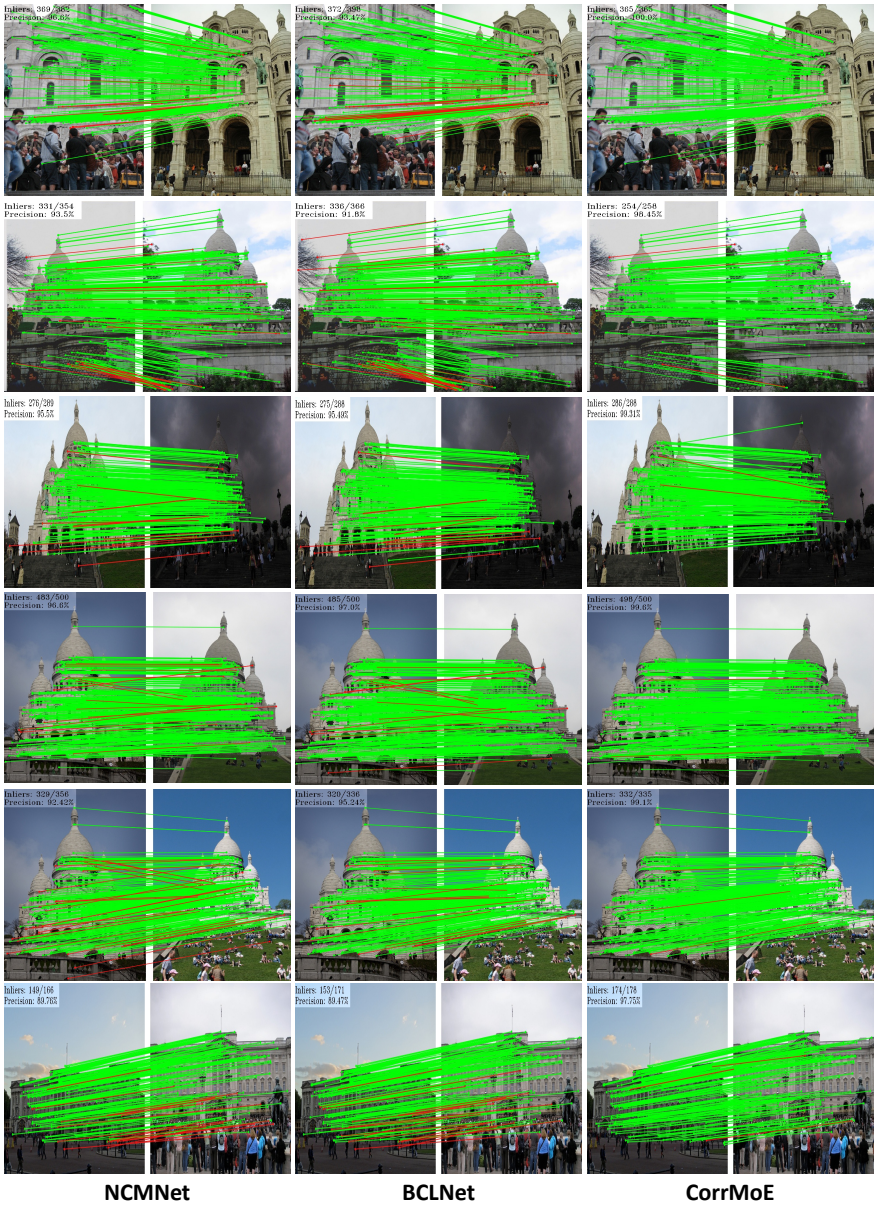

Figure 2: More visualization results for correspondence pruning task. From left to right are the results of NCMNet [2], BCLNet [3], and CorrMoE. The green lines represent inliers, and the red lines represent outliers.

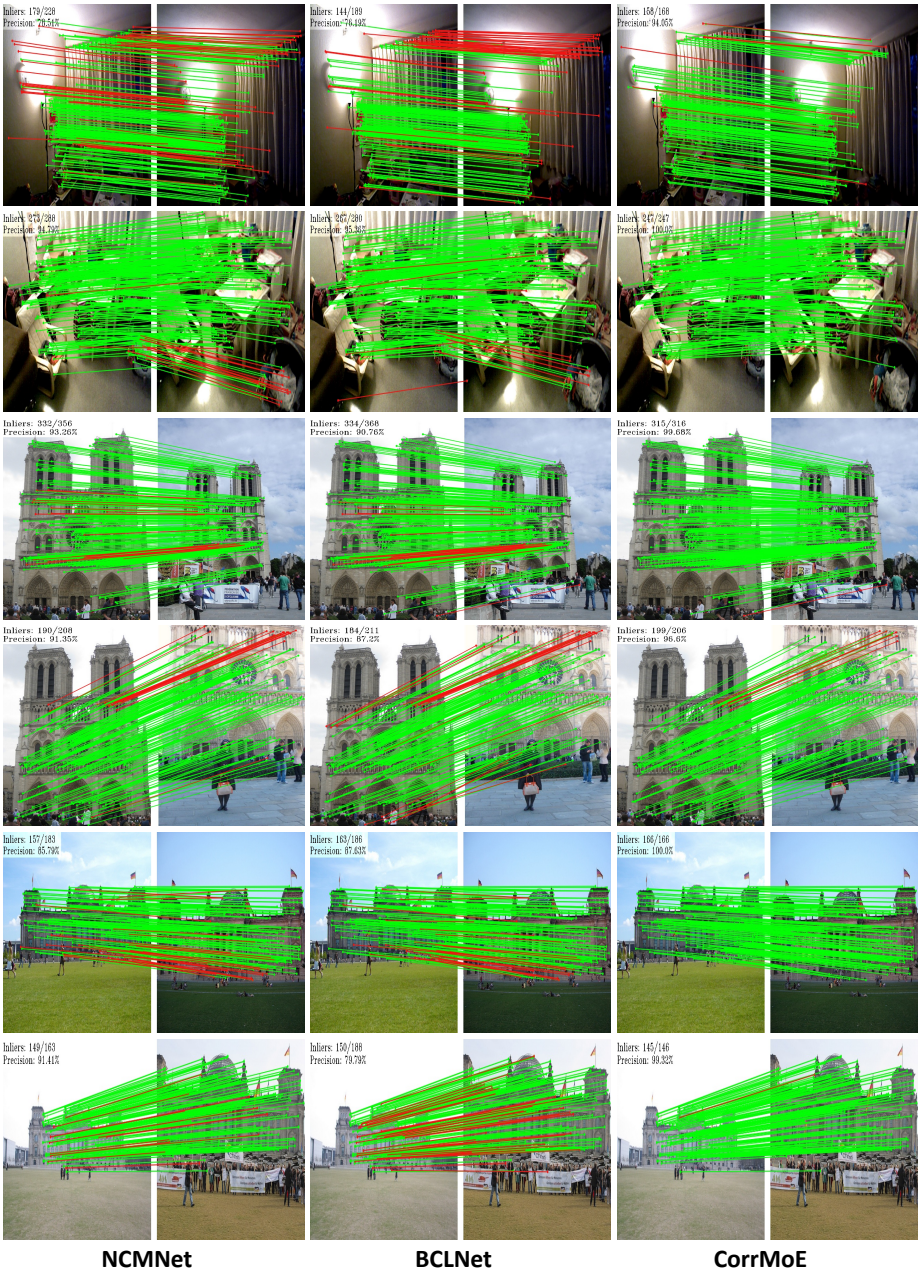

Figure 3: More visualization results for correspondence pruning task.

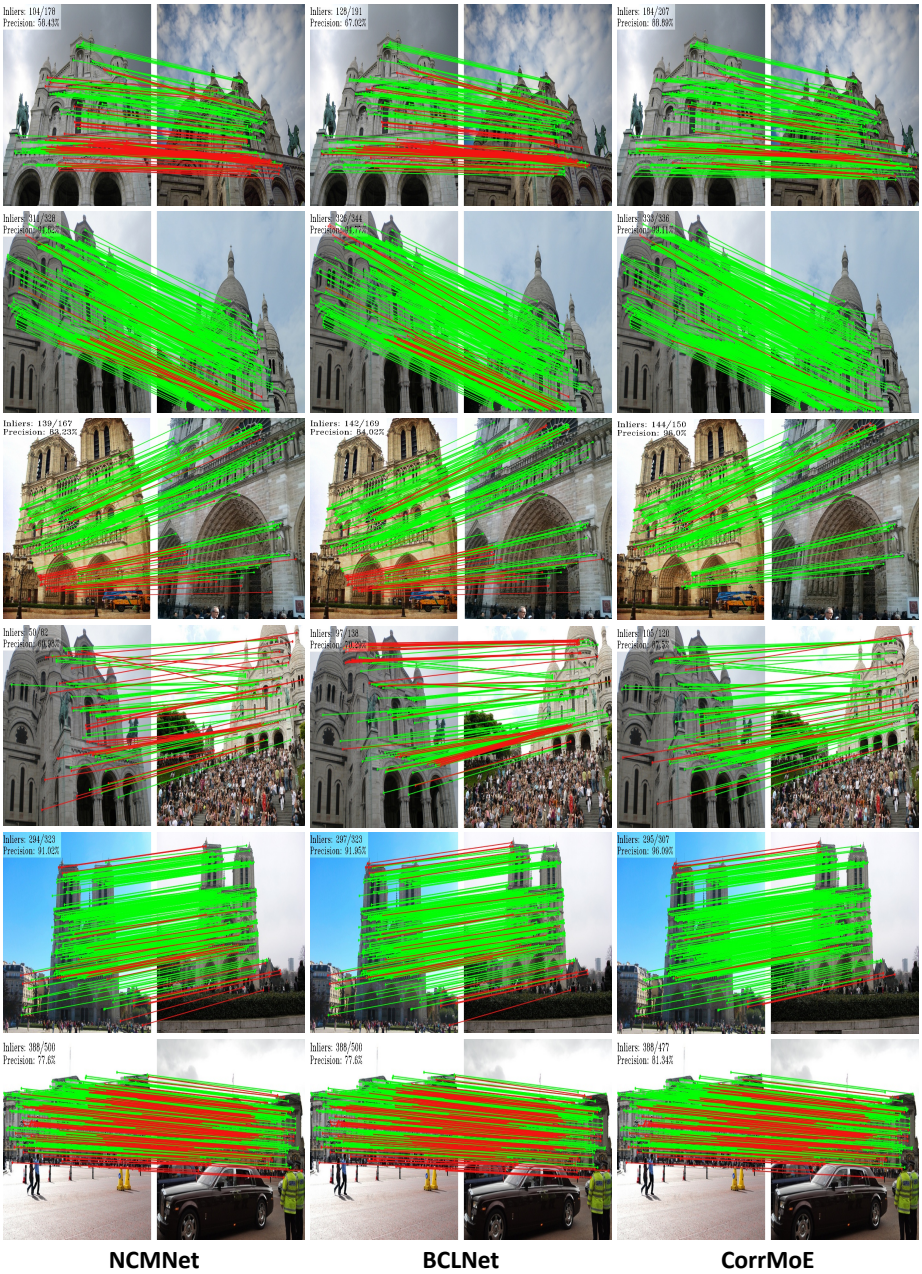

Figure 4: More visualization results for correspondence pruning task.

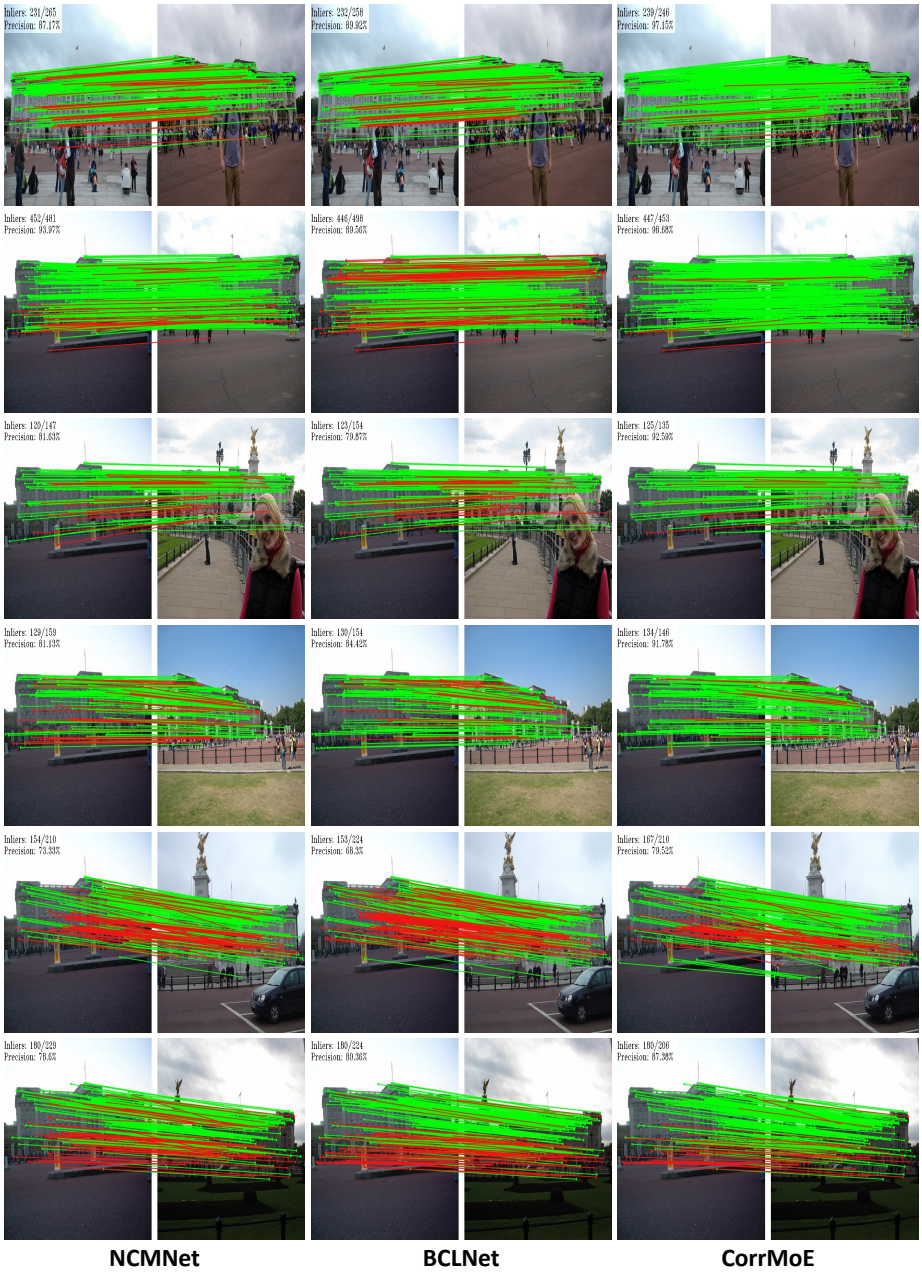

Figure 5: More visualization results for correspondence pruning task.

References

[1] Luanyuan Dai et al. "MGNet: Learning Correspondences via Multiple Graphs". In: *Proceedings of the AAAI Conference on Artificial Intelligence*. 2024, pp. 3945–3953.

[2] Xin Liu and Jufeng Yang. "Progressive Neighbor Consistency Mining for Correspondence Pruning". In: *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*. 2023, pp. 9527–9537.

[3] Xiangyang Miao et al. "Bclnet: Bilateral consensus learning for two-view correspondence pruning". In: *Proceedings of the AAAI Conference on Artificial Intelligence*. 2024, pp. 4225–4232.

[4] Chen Zhao et al. "Progressive correspondence pruning by consensus learning". In: *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*. 2021, pp. 6464–6473.