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This document includes additional visual results for single-view 3D reconstruction from the ShapeNet benchmark (corresponding to Section 6 "Single-view Reconstruction using Deep Learning" in our paper submission).

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We compare our single-view reconstruction results with the state-of-the-art approach SoftRasterizer [1]. Our method can reconstruct detailed objects and accurately recover complicated topologies. In contrast, SoftRasterizer [1] relies on a template mesh with spherical topology and it cannot capture the complex topology of chairs or benches with holes. In this document, we mainly want to demonstrate that our methods can recover complicated topologies by showing those cases with complex topologies (e.g., benches). We also include objects in other categories to show that we can reconstruct different categories well.

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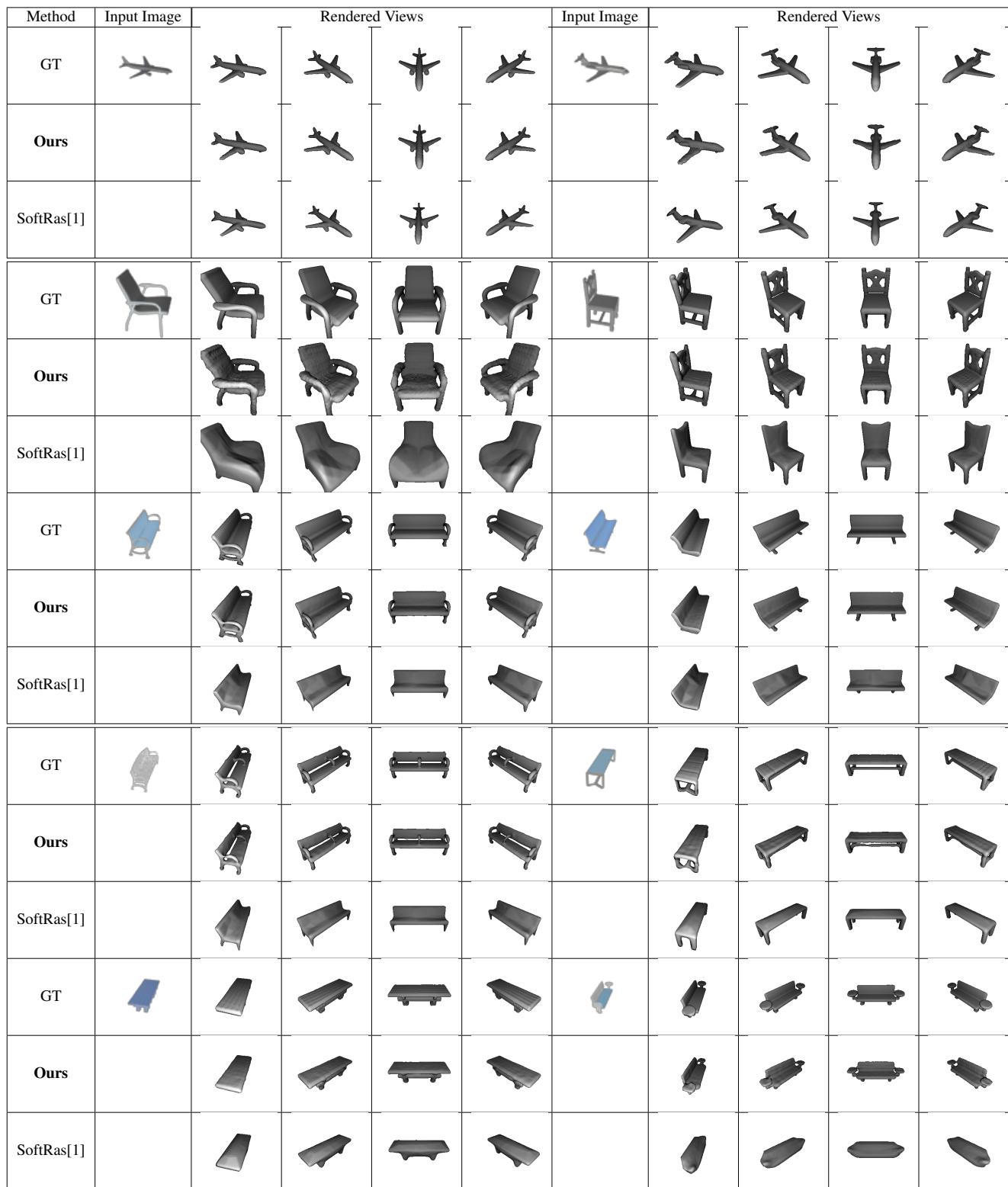
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## References

- [1] Shichen Liu, Tianye Li, Weikai Chen, and Hao Li. Soft rasterizer: A differentiable renderer for image-based 3d reasoning. *The IEEE International Conference on Computer Vision*, 2019.

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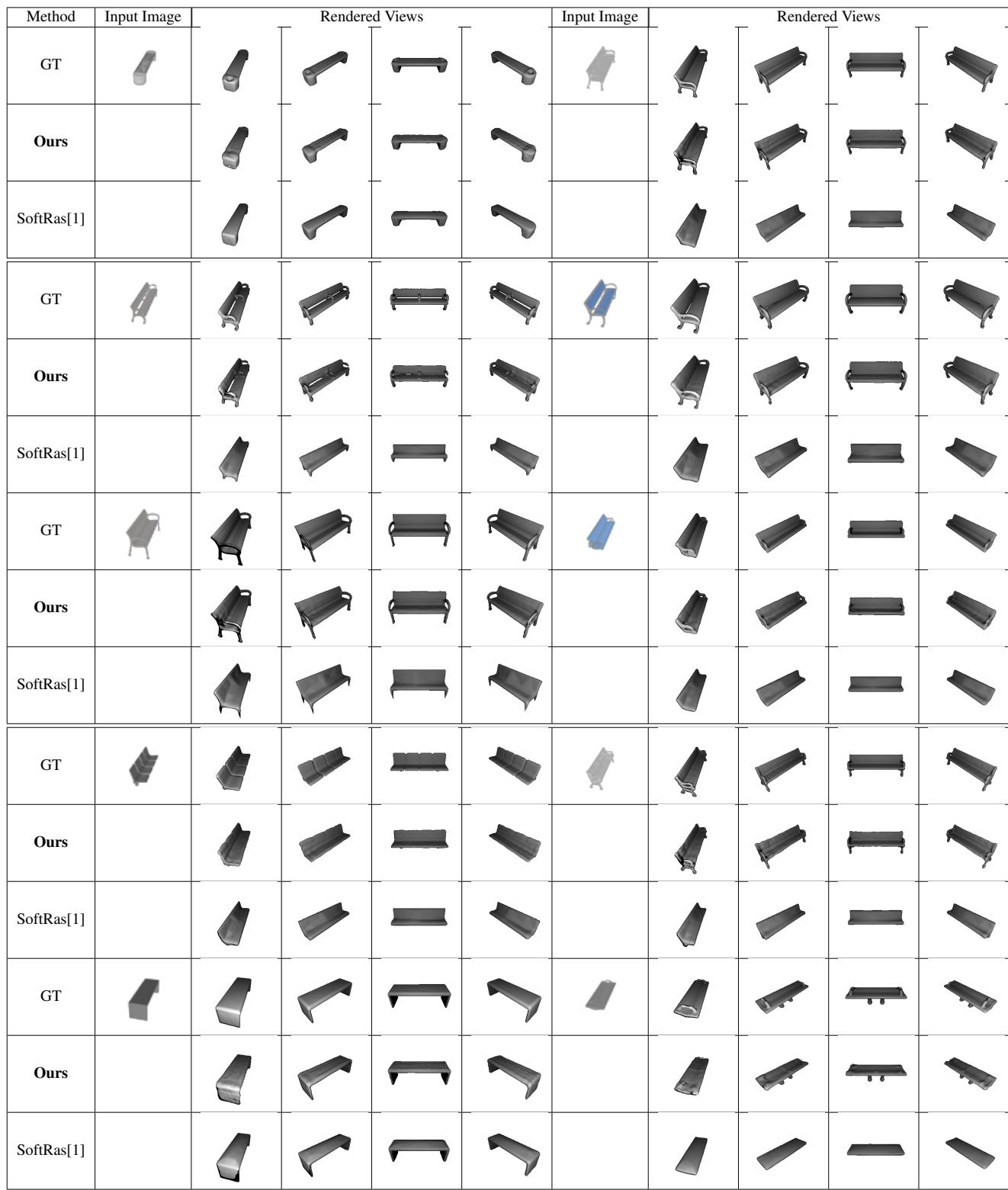
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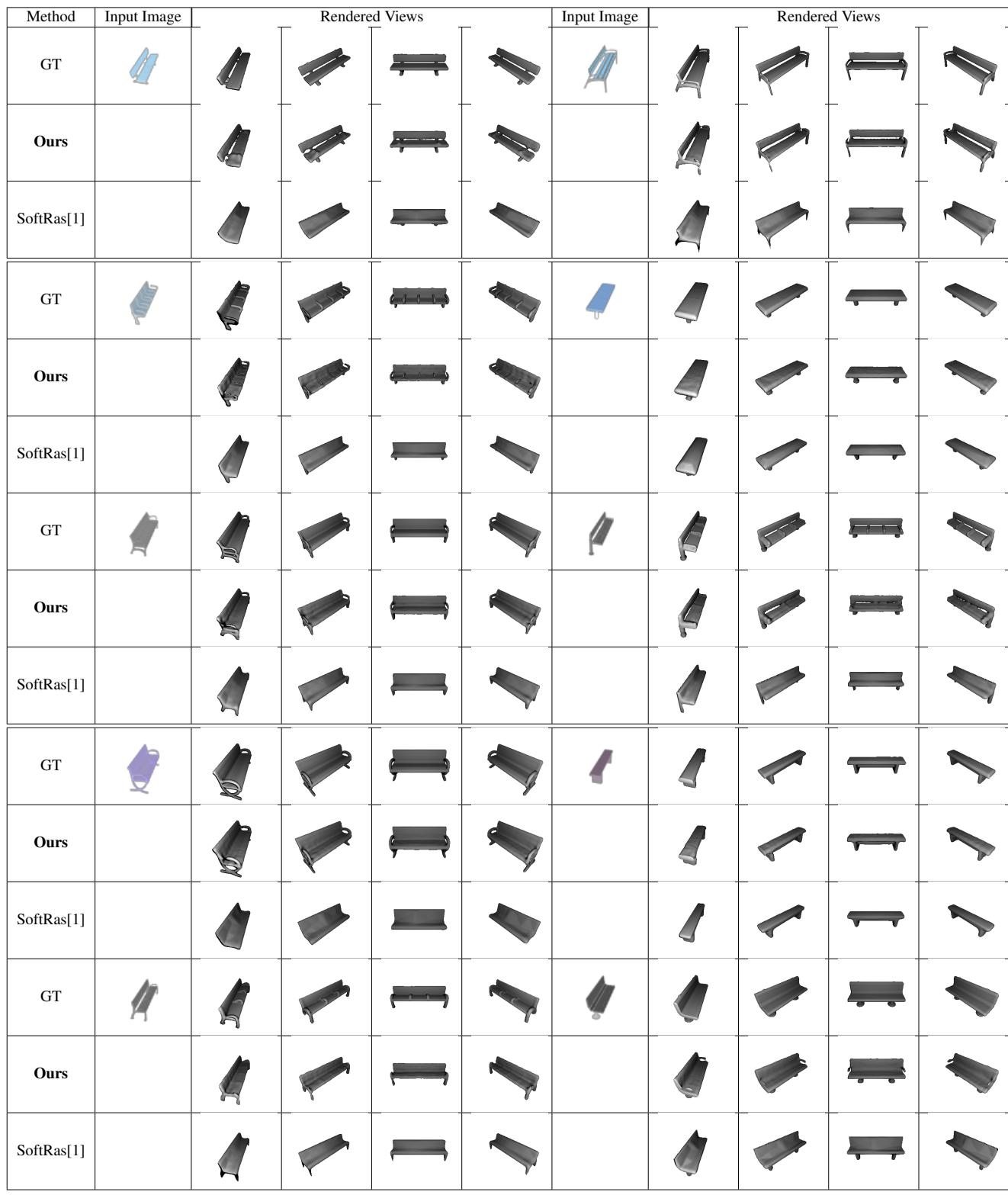
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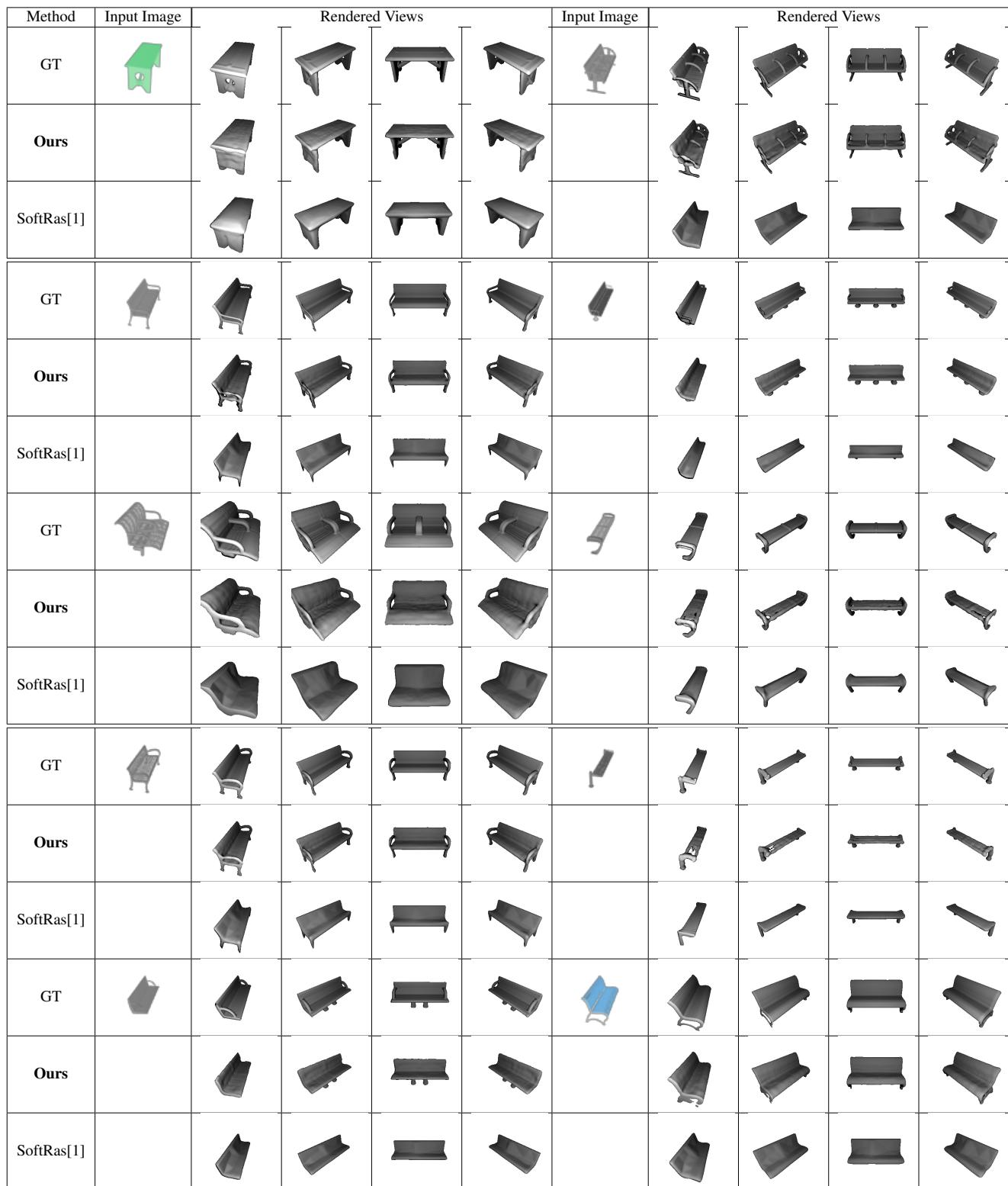
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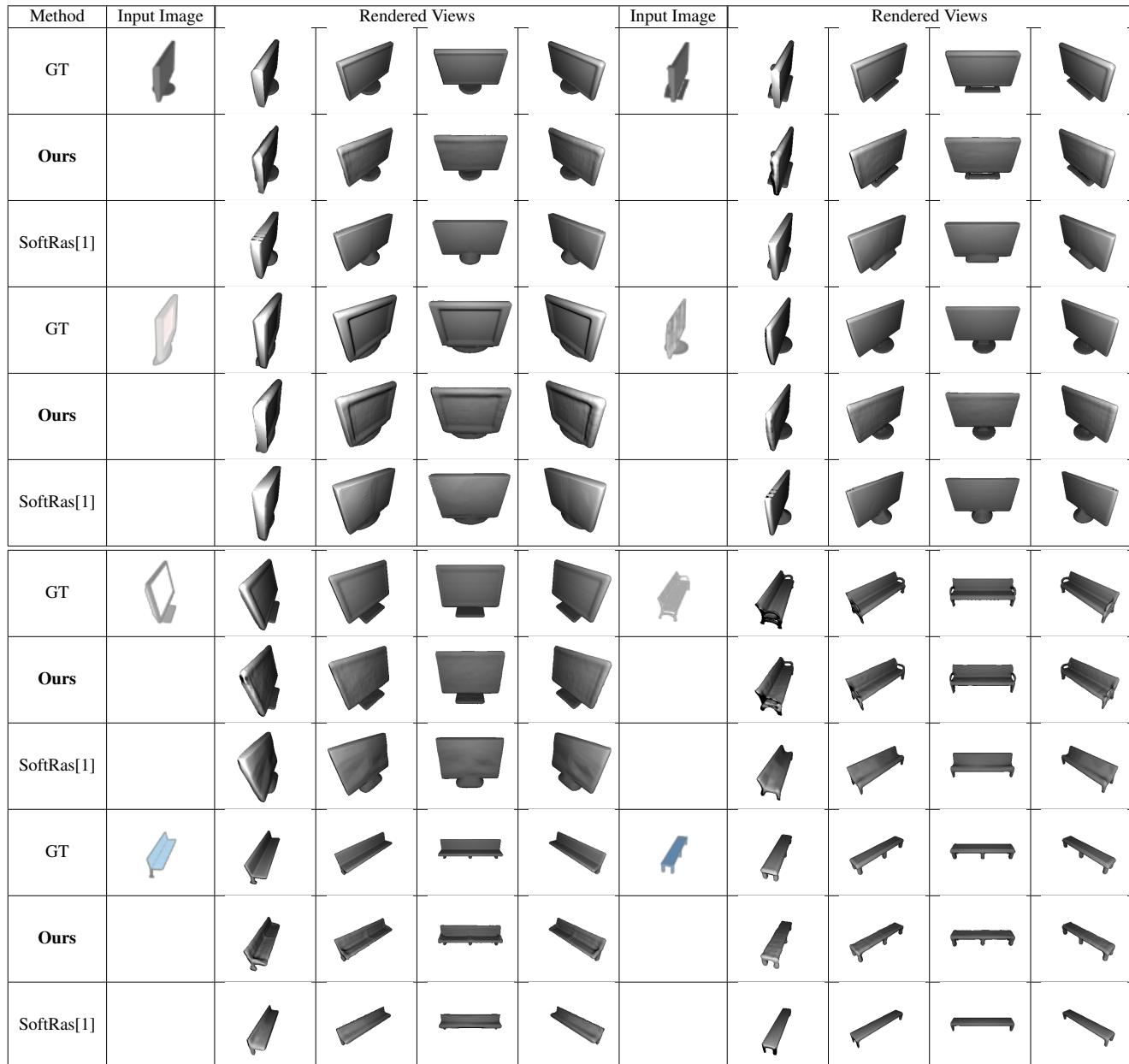
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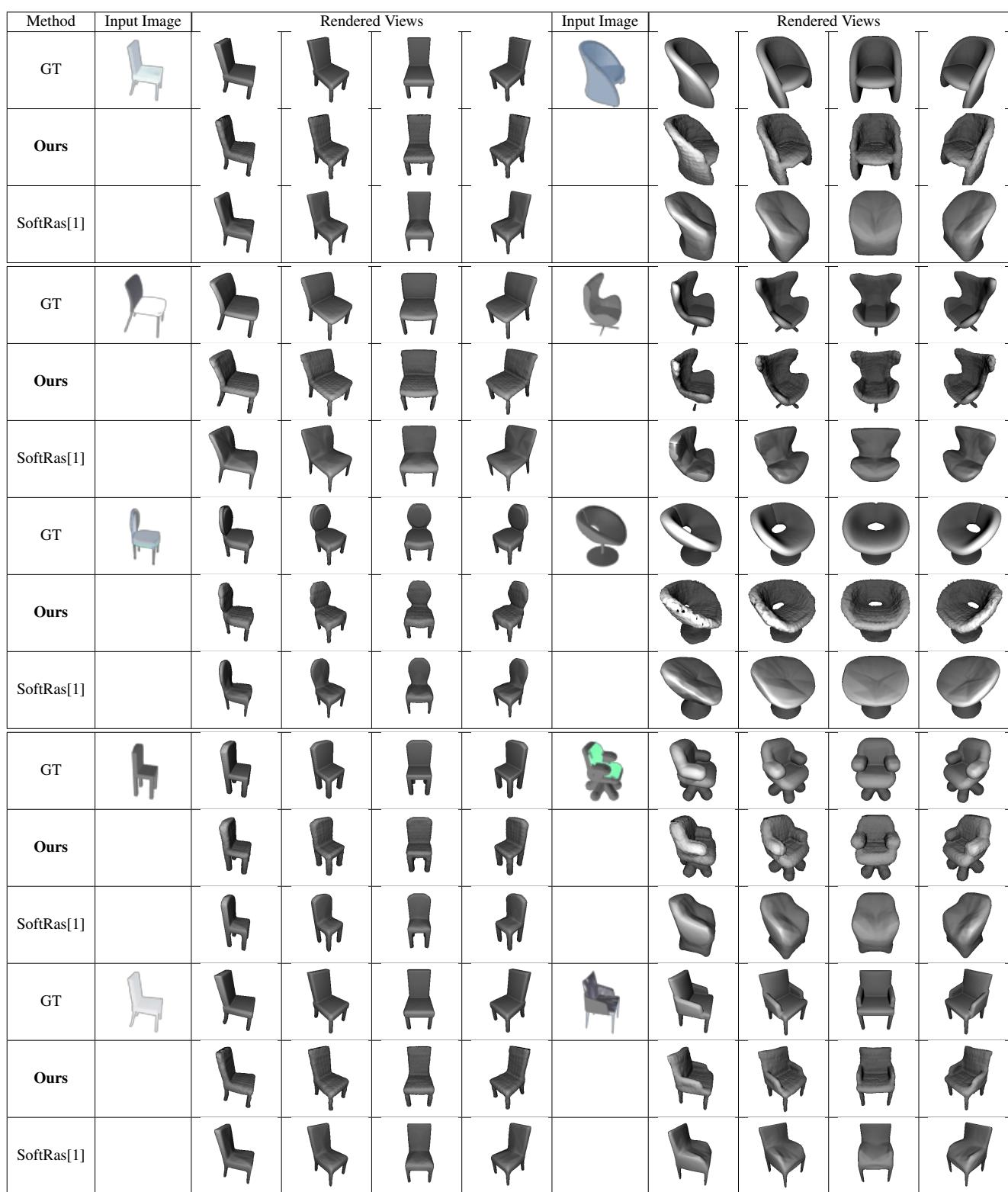
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