

Parallax Portrait Matting — Supplementary Material

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1 Case 1: Absence of Parallax

Since our method assumes there is parallax between foreground and background, we show qualitative examples when that is not the case at test time in Fig. 1. Note that our method can produce good quality results even without motion, which suggests that the model itself has the ability to degrade to a reasonable single image matting model. Note that our model is not intended to be used as a single image matting model and is not trained to do so. We expect it to be inferior to the best single-image matting methods when testing on single images. For this test, we pass the model two identical images with zero motion.

2 Case 2: Complex Object Motion

When there is significant/complex subject motion between two frames, our assumptions do not hold, and our method is able to degrade gracefully. In this example, we run our method over video frames where the subject goes through complex motion. As the additional input frame deviates more from the base frame, our predictions degrade in terms of details but are still able to provide a reasonable estimate.

3 More Real-World Results on Challenging Cases

We provide additional qualitative comparisons against state-of-the-art methods on challenging real-world portrait cases. These results are presented as interactive side-by-side sliders in the included webpage.

To view: open `index.html` in the root of the supplementary material folder using a web browser. The page allows interactive comparison between our method and baselines across multiple challenging cases. [Click here](#) to open directly (requires a PDF reader that supports embedded file links, *e.g.* Adobe Acrobat).

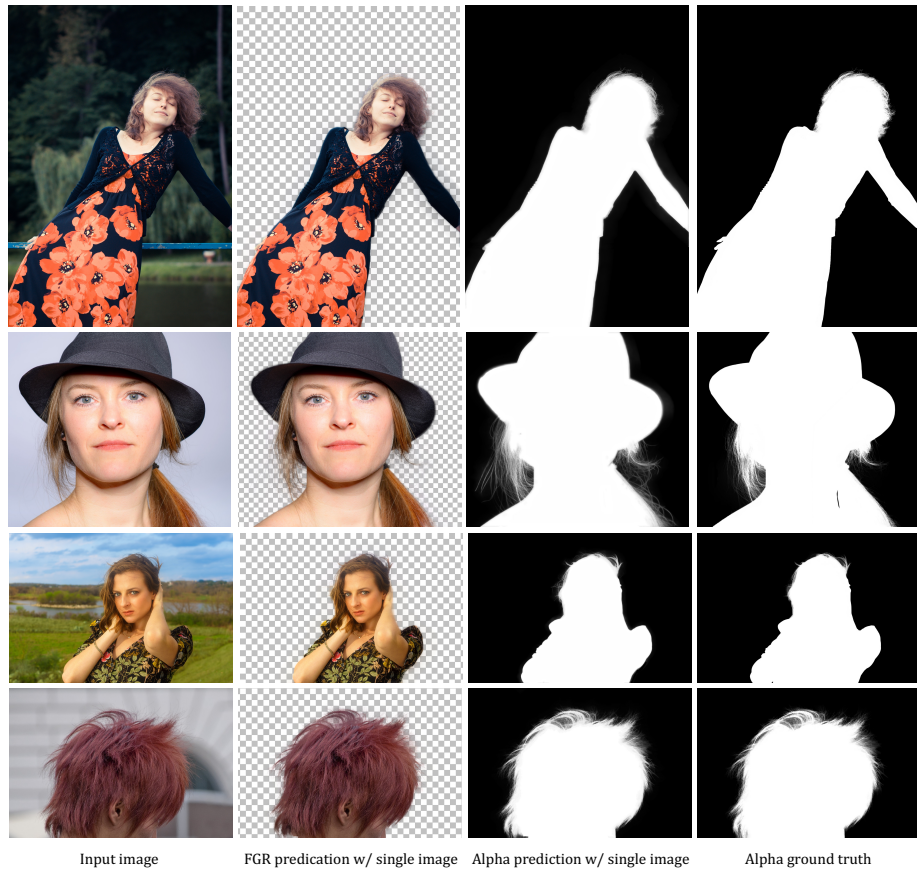


Fig. 1: Qualitative results of our method on real-world single images.

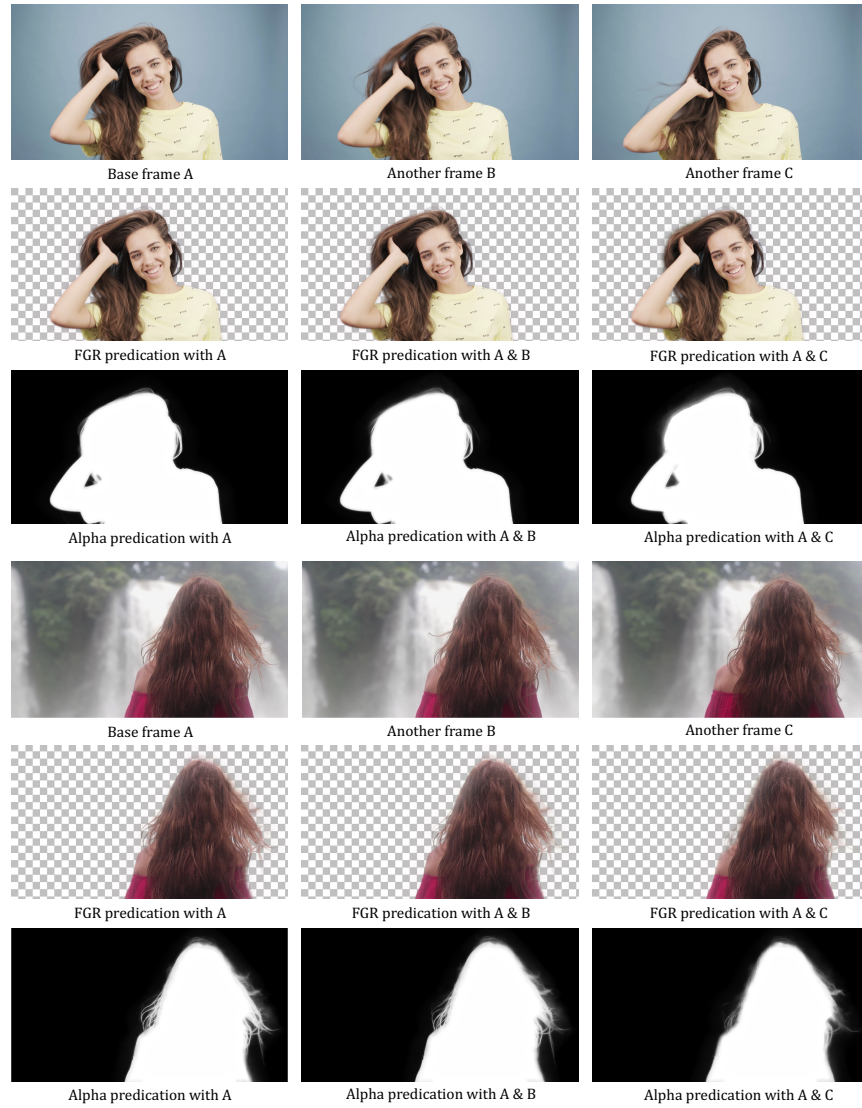


Fig. 2: Qualitative results of our method on real-world images with complex motion.