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# Poly-GAN: Multi-Conditioned GAN for Fashion Synthesis

## Supplementary Materials

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### Anonymous Author(s)

Affiliation

Address

email

### <sup>1</sup> 1 Supplementary Results

- <sup>2</sup> We include additional results to showcase the effectiveness of Poly-GAN. We show detailed results  
<sup>3</sup> generated by Poly-GAN at different stages in Figures 1, 2, 3, 4, 5, 6, 7, 8, 9 and we compare our  
<sup>4</sup> results to the state of art CP-VTON in Figures 10, 11, 12, 13, 14, 15.

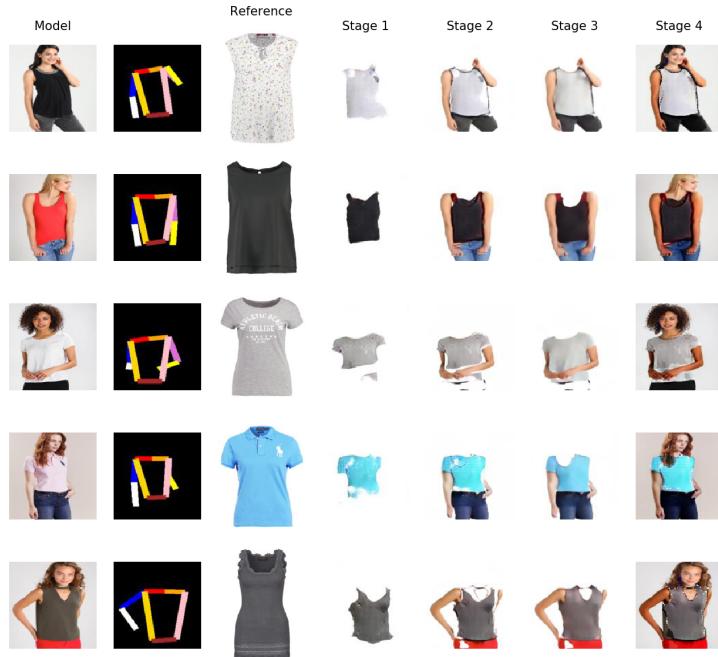


Figure 1: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.



Figure 2: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

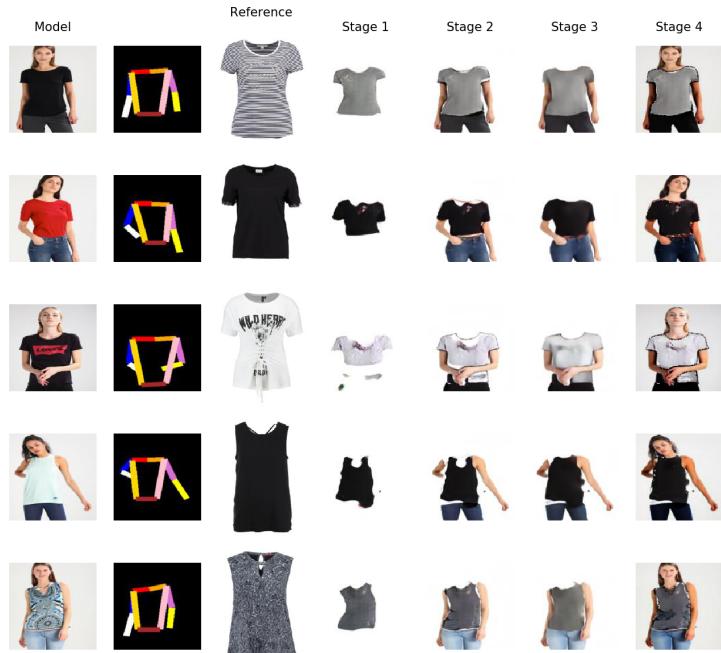


Figure 3: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

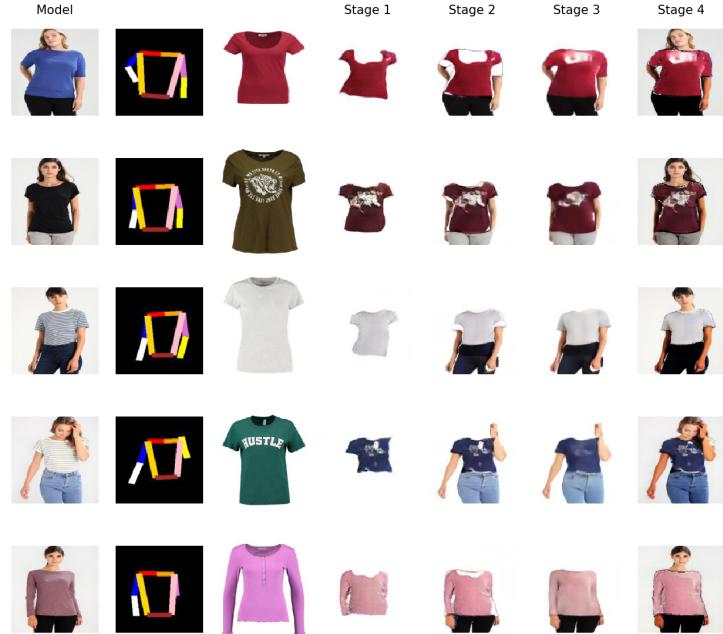


Figure 4: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

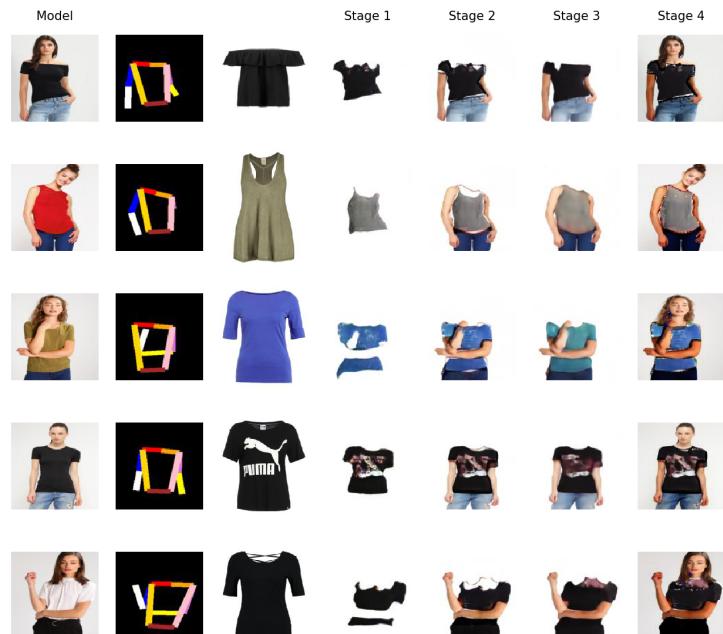


Figure 5: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

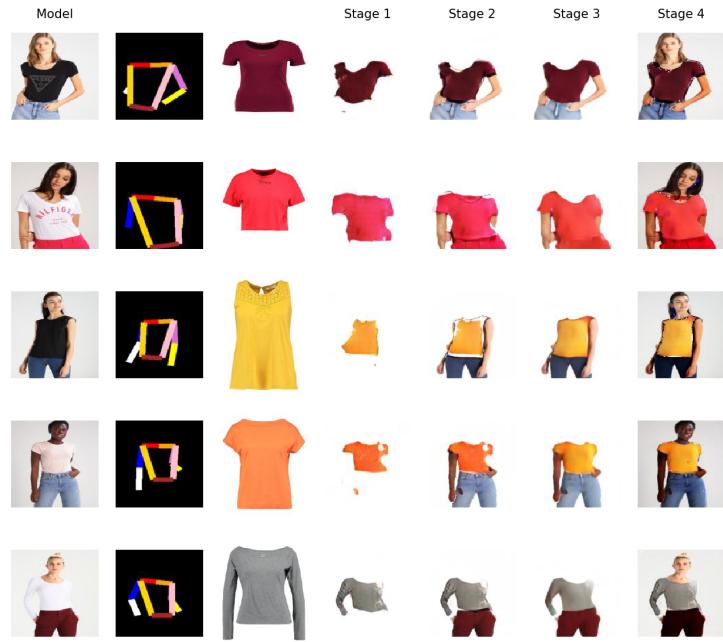


Figure 6: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

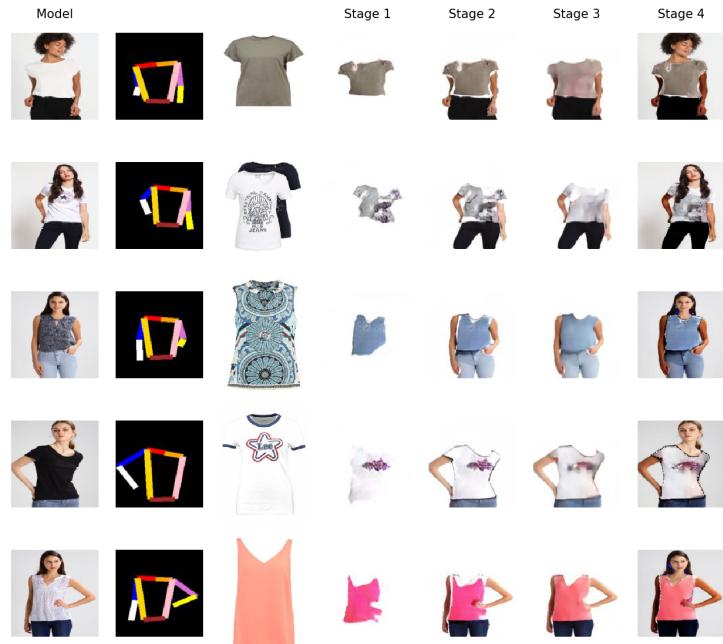


Figure 7: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

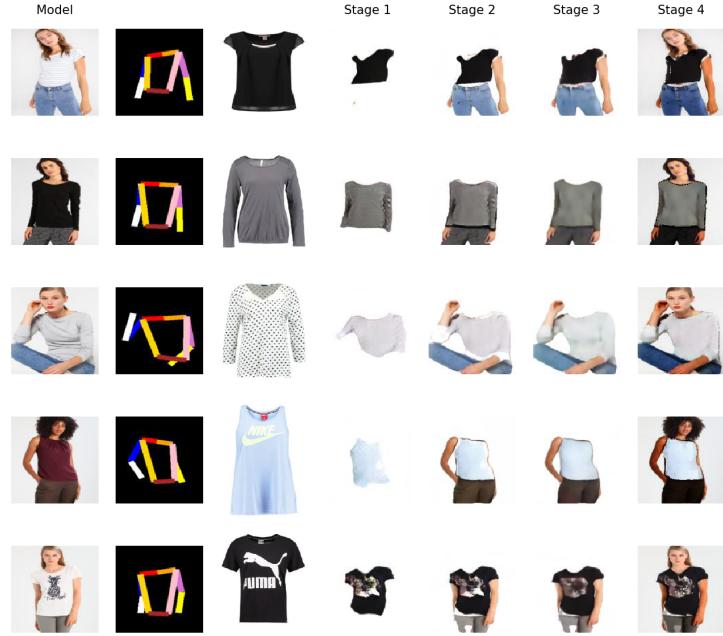


Figure 8: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

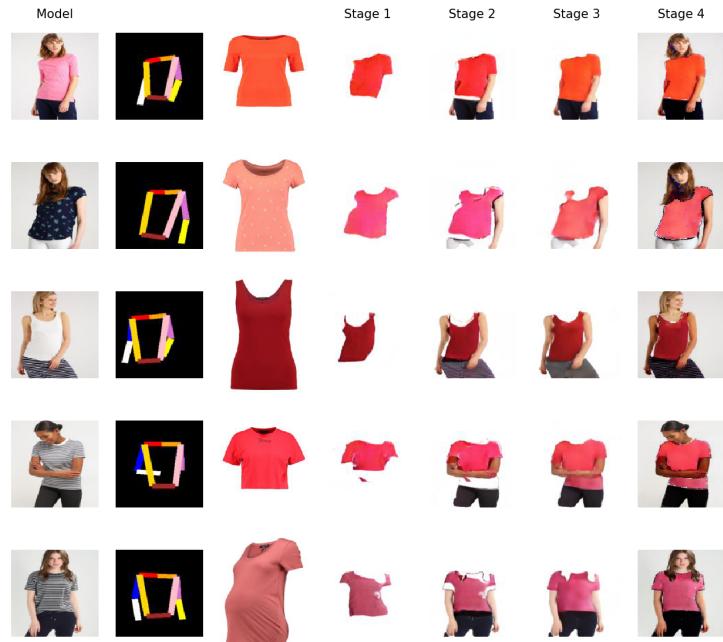


Figure 9: Poly-GAN Results shown from left to right column: Model Image; Skeleton of Model; Reference garment; Stage 1 results: Reference garment conditioned on pose; Stage 2 results: Stage 1 results stitched on segmented model; Stage 3 results: refinement of outputs from stage 2; Stage 4: post-process result from Stage 2 & Stage 3 with head in original model image.

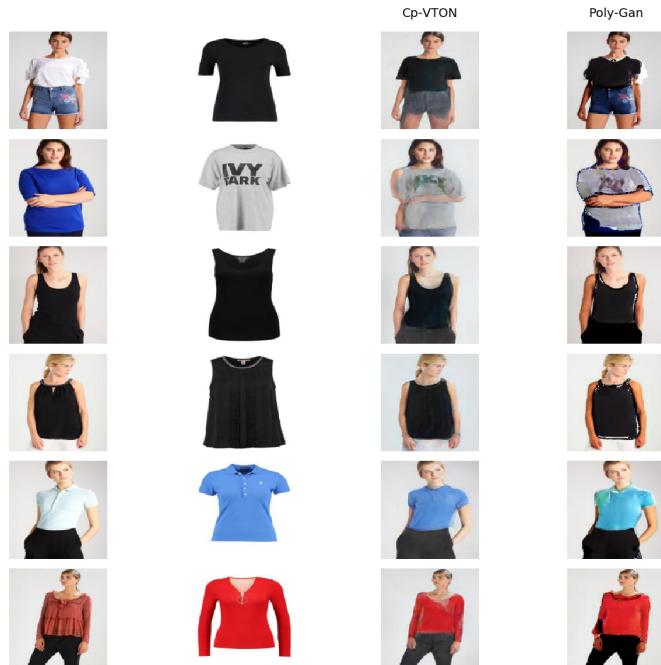


Figure 10: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.

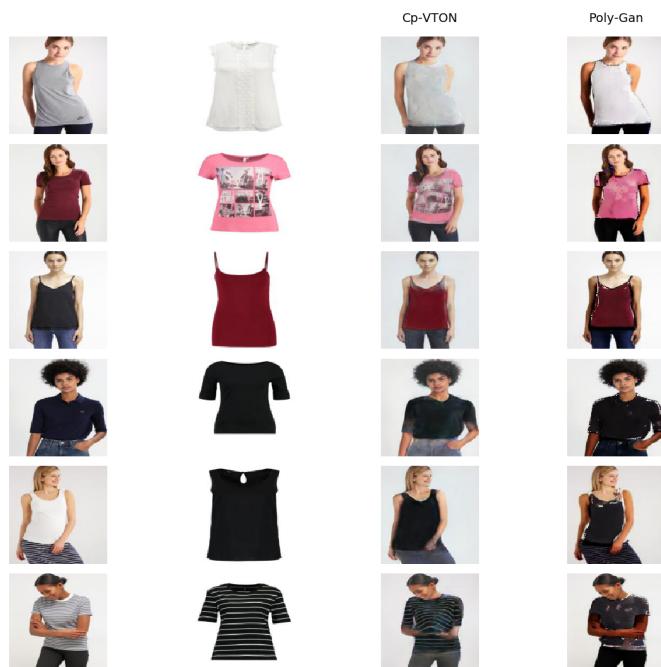


Figure 11: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.

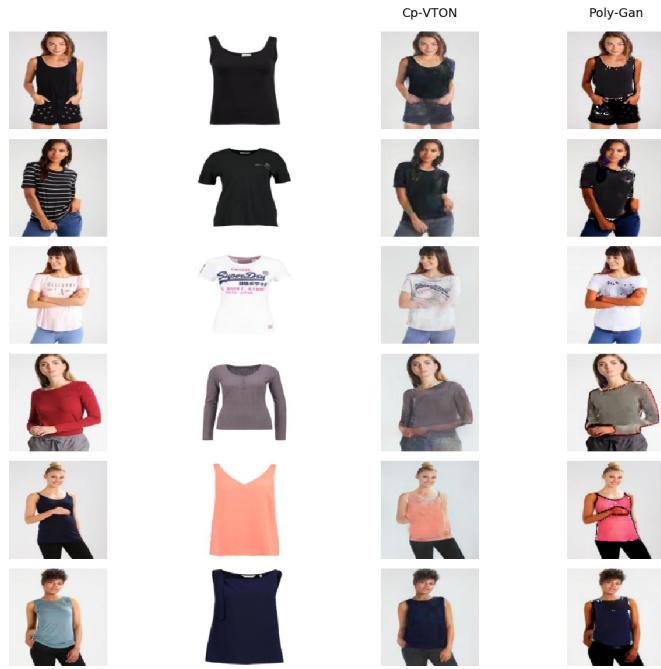


Figure 12: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.

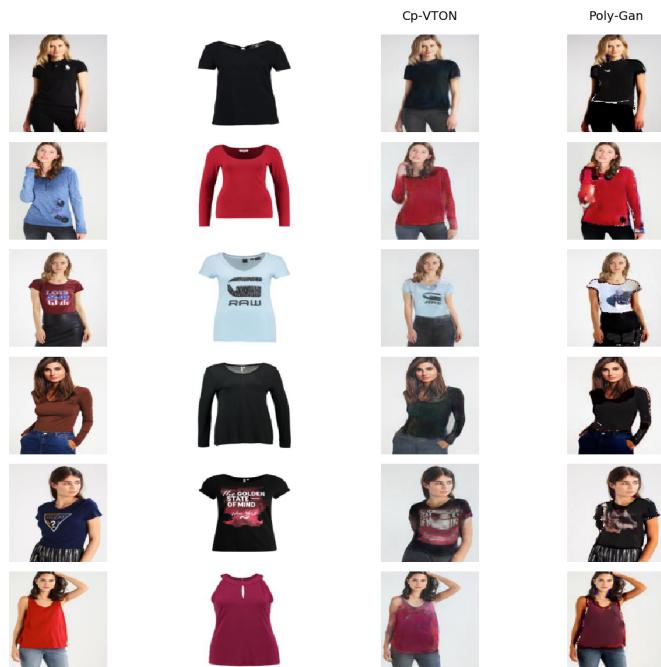


Figure 13: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.

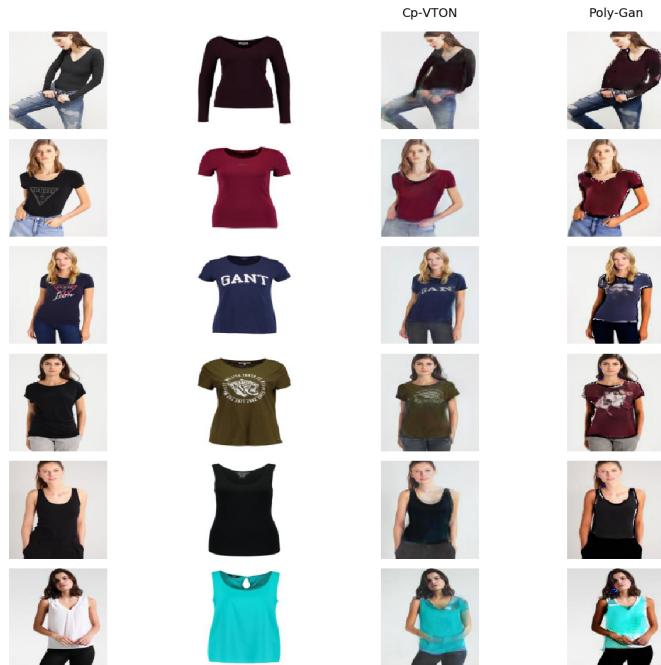


Figure 14: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.

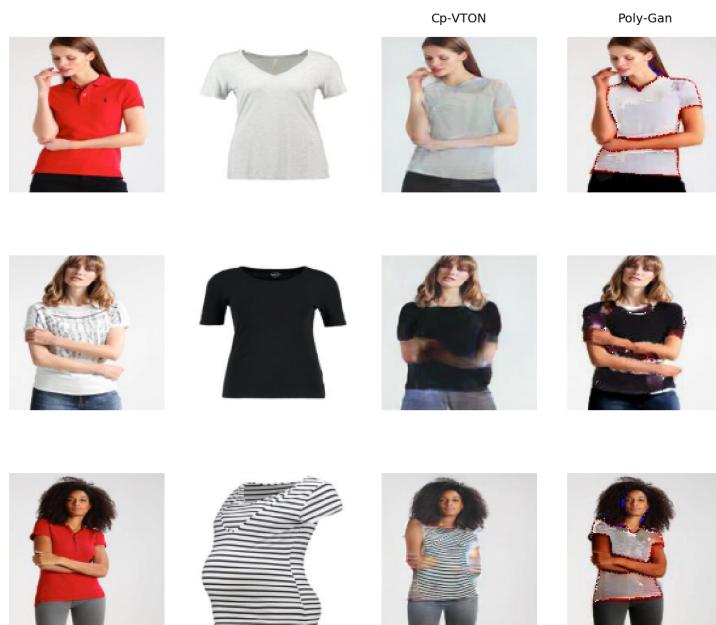


Figure 15: Comparison examples of Poly-GAN with CP-VTON. Shown in columns from left to right: model image, reference garment, CP-VTON result, Poly-GAN result.