## Supplementary Material for "TuiGAN: Learning Versatile Image-to-Image Translation with Two Unpaired Images"

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## 1 Overview

In this supplementary material, we provide additional results of four general unpaired image-to-image translation tasks: Apple $\leftrightarrow$ Orange in Fig. 1, Horse $\leftrightarrow$ Zebra in Fig. 2, Facade $\leftrightarrow$ Labels in Fig. 3, and Map $\leftrightarrow$ Aerial Photo in Fig. 4. From the additional results provided, we can further verify that most of the translation results generated by TuiGAN are better than OST, SinGAN, PhotoWCT and FUNIT. Compared with CycleGAN and DRIT trained on full data, our model can also achieve comparable performance in many cases.

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Fig. 1. The top three rows are Apple →Orange results and the bottom three rows are Orange →Apple results.



Fig. 2. The top three rows are Horse $\rightarrow$ Zebra results and the bottom three rows are Zebra $\rightarrow$ Horse results.



Fig. 3. The top three rows are Facade $\rightarrow$ Labels results and the bottom three rows are Labels $\rightarrow$ Facade results.



Fig. 4. The top three rows are Map $\rightarrow$ Aerial Photo results and the bottom three rows are Aerial Photo $\rightarrow$ Map results.