Supplemental material for:

Entropic Metric Alignment for Correspondence Problems

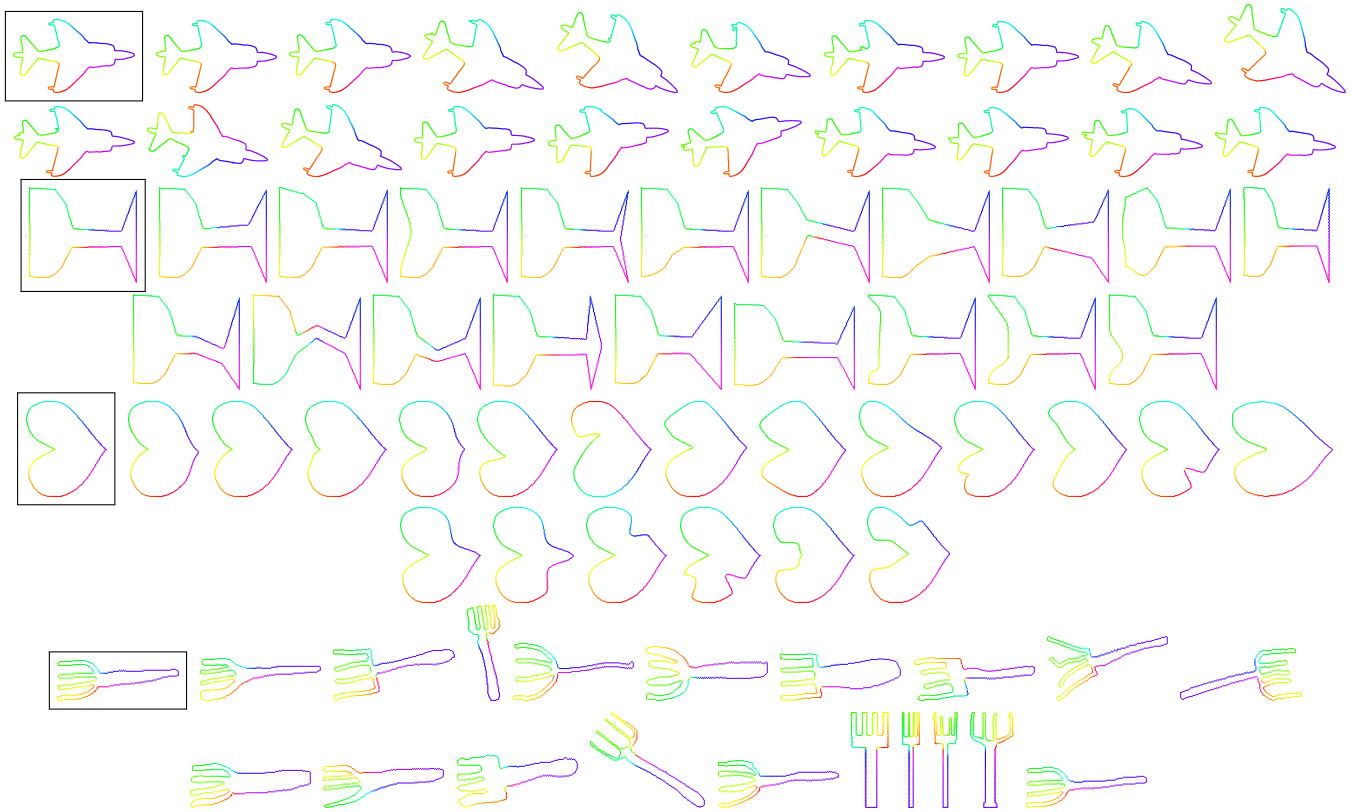

Figure 1: *2D shape matching; color on the boxed model is transferred to the remaining models ($\alpha \equiv 7.5 \times 10^{-4}$).*

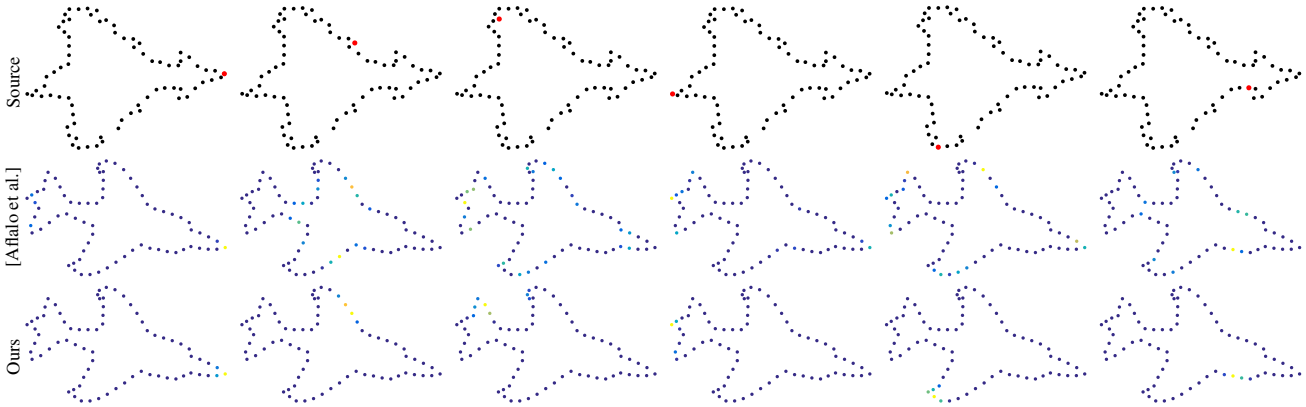

Figure 2: *Comparison to [Aflalo et al. 2015]. Here, we compute a map between 2D airplane shapes (data from [Thakoor et al. 2007]), using Euclidean distances in $\mathbf{D}_0$ and $\mathbf{D}$. The first row shows points marked on the source shape, and the second row shows their mapped targets using their method (top) and ours (bottom). GW_α successfully recovers a near-bijective map, while [Aflalo et al. 2015] superposes some but not all symmetries (compare columns 2 and 5).*

References

AFLALO, Y., BRONSTEIN, A., AND KIMMEL, R. 2015. On convex relaxation of graph isomorphism. *Proc. National Academy of Sci. 112*, 10, 2942–2947.

THAKOOR, N., GAO, J., AND JUNG, S. 2007. Hidden Markov model-based weighted likelihood discriminant for 2-D shape classification. *Trans. Image Proc. 16*, 11, 2707–2719.