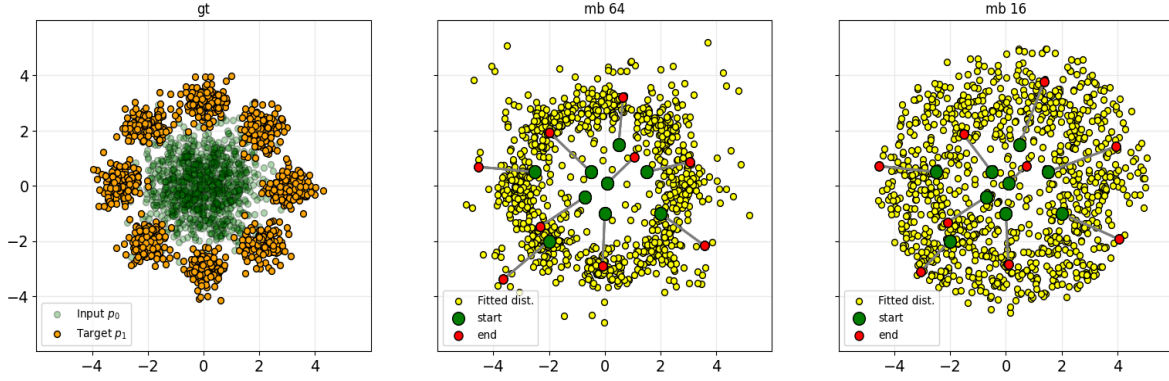


**Table 1: FID scores for unpaired I2I *Adult*→*Child* experiment.  
(for all Reviewers).**

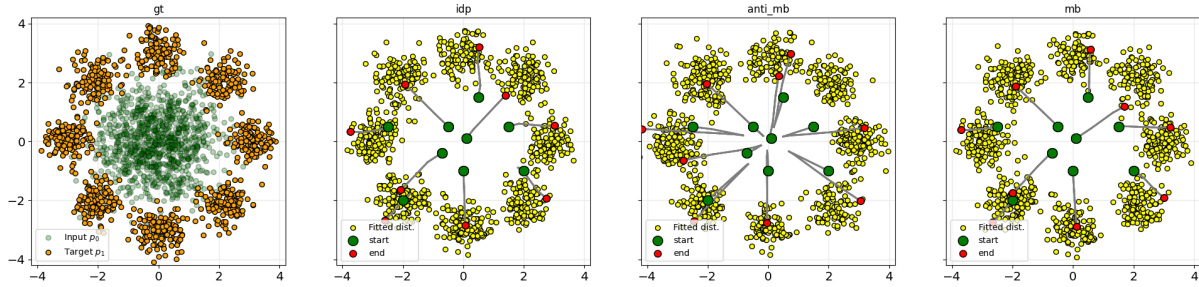
Method	OFM, Ind (ours)	OFM, MB (ours)	RF	<i>c</i> -RF	OT-CFM
<i>Adult</i> → <i>Child</i> FID↓	11.8	11.0	21.02	13.5	12.9

**Figure 1. OFM (ours) with  $t = 1$ , minibatch plans with sizes 64 (*middle*) and 16 (*right*).  
(for Reviewer nvT5).**



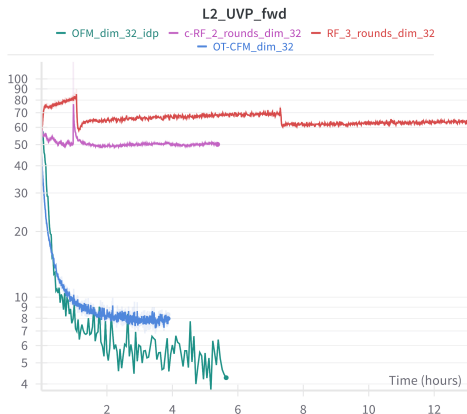
**Conclusion:** it is not a valid strategy to restrict OFM loss to  $t=1$  as the learned map even misses the target data.

**Figure 2. FM with independent, anti-minibatch and minibatch plans.  
(for Reviewer nvT5)**



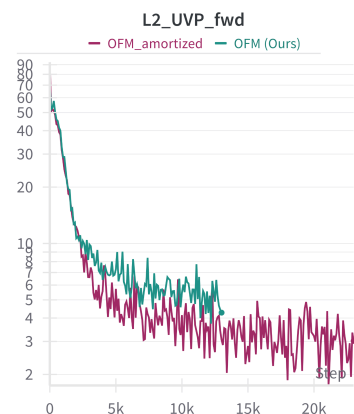
**Conclusion:** basic flow matching yields significantly curved trajectories in the anti-minibatch case (anti\_mb).

**Figure 3. L2-UVP depending on time (W2 bench.,  $D=32$ )  
(for Reviewer qt8g)**



**Conclusion:** OFM (ours) converges faster in time than the other competitive flow matching methods.

**Figure 4. OFM (ours) + amortization  
(for Reviewer nvT5)**



**Conclusion:** amortization can be used with our OFM method and further improve it.