Orthogonalization Disentanglement Weakening Style Sensitivity via Task-oriented Style Cross \mathcal{U} space **Content Template Style Cross Style Template Spanning Subspaces of ID** i Live ID j Live **Liveness and Identity** Liveness-**Invariant** Asymmetric After Style Cross **Extending Training Distribution** ID i Spoof **ID** i Live **Identity-**Invariant $\mathcal V$ space **ID 4 Do Not Apply** Live or Spoof? **ID** i Live Live or Spoof? ID j Spoof Spoof **Ambiguous**