$$\max_{\boldsymbol{w}_{\alpha}} \min_{\boldsymbol{w}_{G}} \frac{1}{|\mathcal{B}|} \sum_{\boldsymbol{x} \in \mathcal{B}} \alpha(\boldsymbol{x}, \boldsymbol{w}_{\alpha}) - \frac{1}{n} \sum_{i=1}^{n} \alpha(G(\boldsymbol{z}_{i}, \boldsymbol{w}_{G}), \boldsymbol{w}_{\alpha})$$

$$\sum_{\boldsymbol{x} \in \mathcal{B}} \operatorname{sample from} \mathcal{D}$$

$$\alpha(\boldsymbol{x}, \boldsymbol{w}_{\alpha})$$