

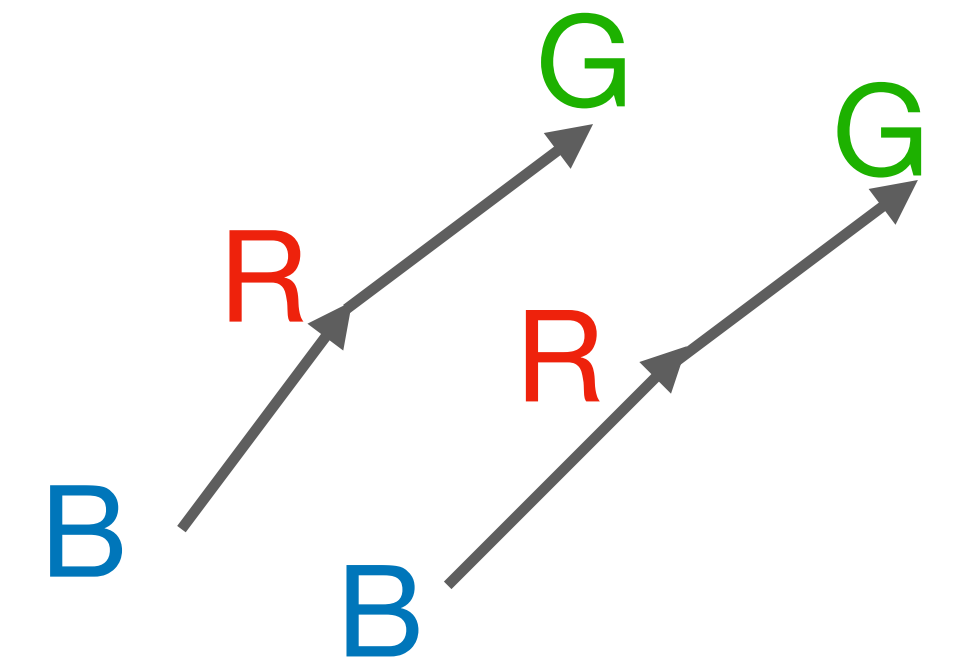
Geometric Priors : Distance Loss

$$\mathcal{L}_{\text{dist}} = \frac{1}{|\mathcal{V}|} \sum_{(n,k) \in \mathcal{V}} H_{\beta}(\mathbf{p}_{nk} - \mathbf{g}_{nk})$$

Penalizes per keypoint deviation between prediction and ground truth

Geometric Priors : Pairwise Segment Loss

$$\mathcal{L}_{\text{seg}} = \frac{1}{|\mathcal{S}_{\text{vis}}|} \sum_{(i,j) \in \mathcal{S}_{\text{vis}}} H_{\beta} \left((\mathbf{p}_j - \mathbf{p}_i) - (\mathbf{g}_j - \mathbf{g}_i) \right)$$



Enforces consistency of the pairwise displacement vectors between keypoints