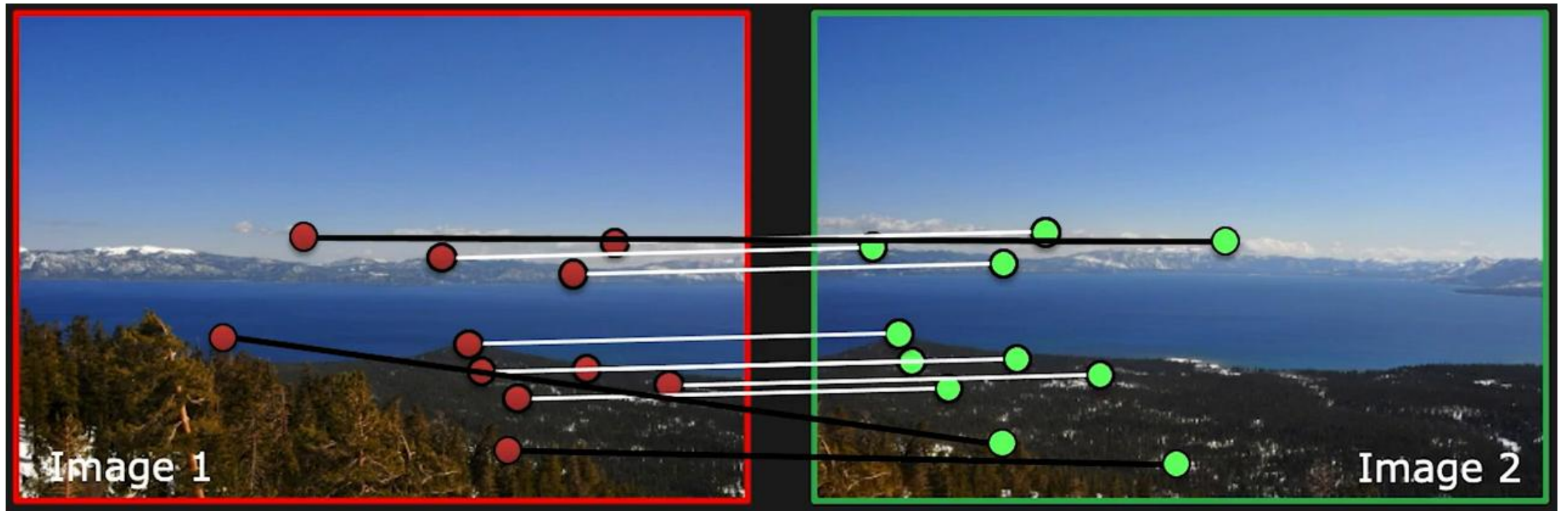


Image Stitching



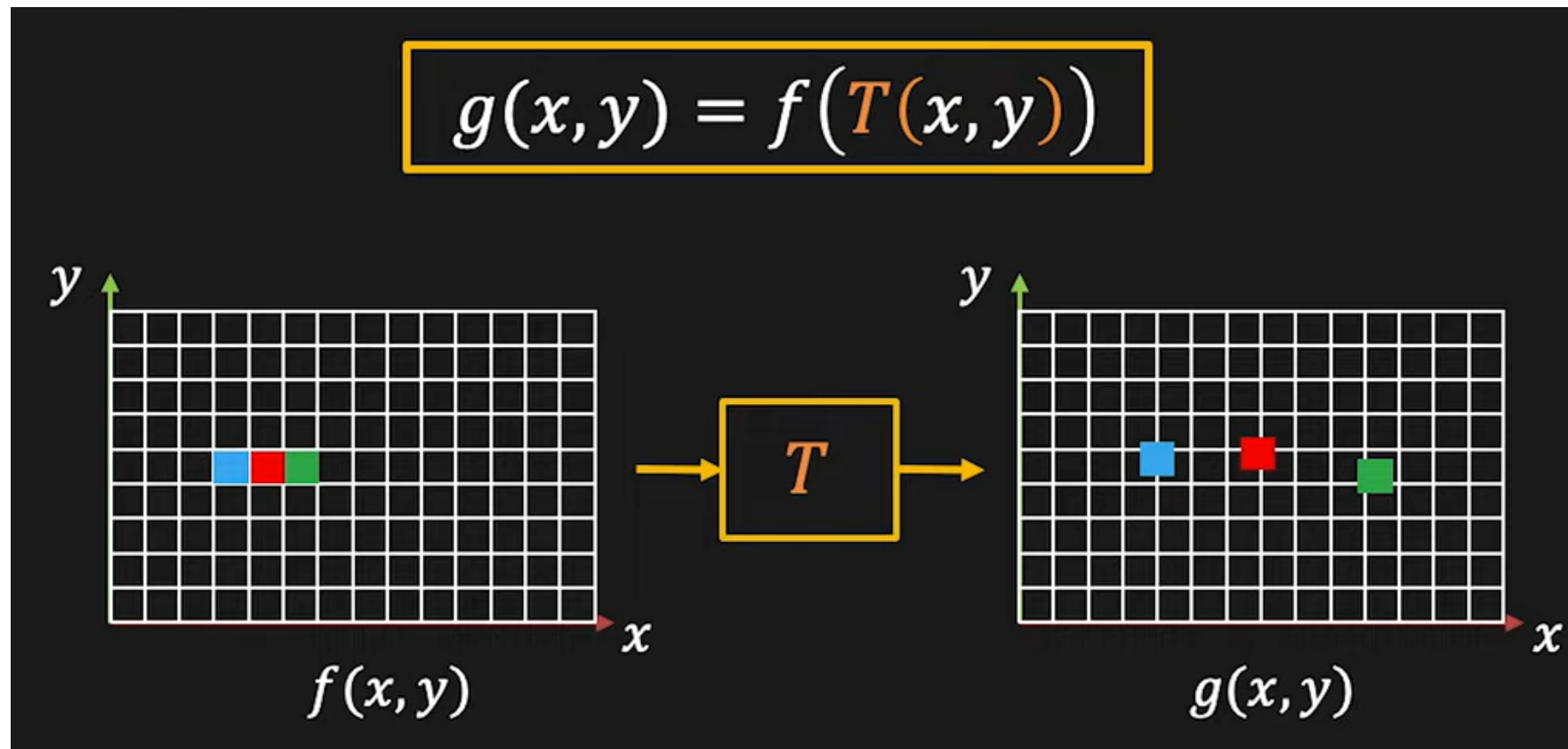
Outliers



RANSAC

1. Randomly choose s samples. Typically s is the minimum samples to fit the model.
2. Fit the model to the randomly chosen samples.
3. Count the number M of the data points (inliers) that fit the model within a measure of error ϵ .
4. Repeat steps 1-3 for N times.
5. Choose the model that has the largest number M of inliers.
6. Use all the inliers to find refined model of homography.

Forward Warping



Backward Warping

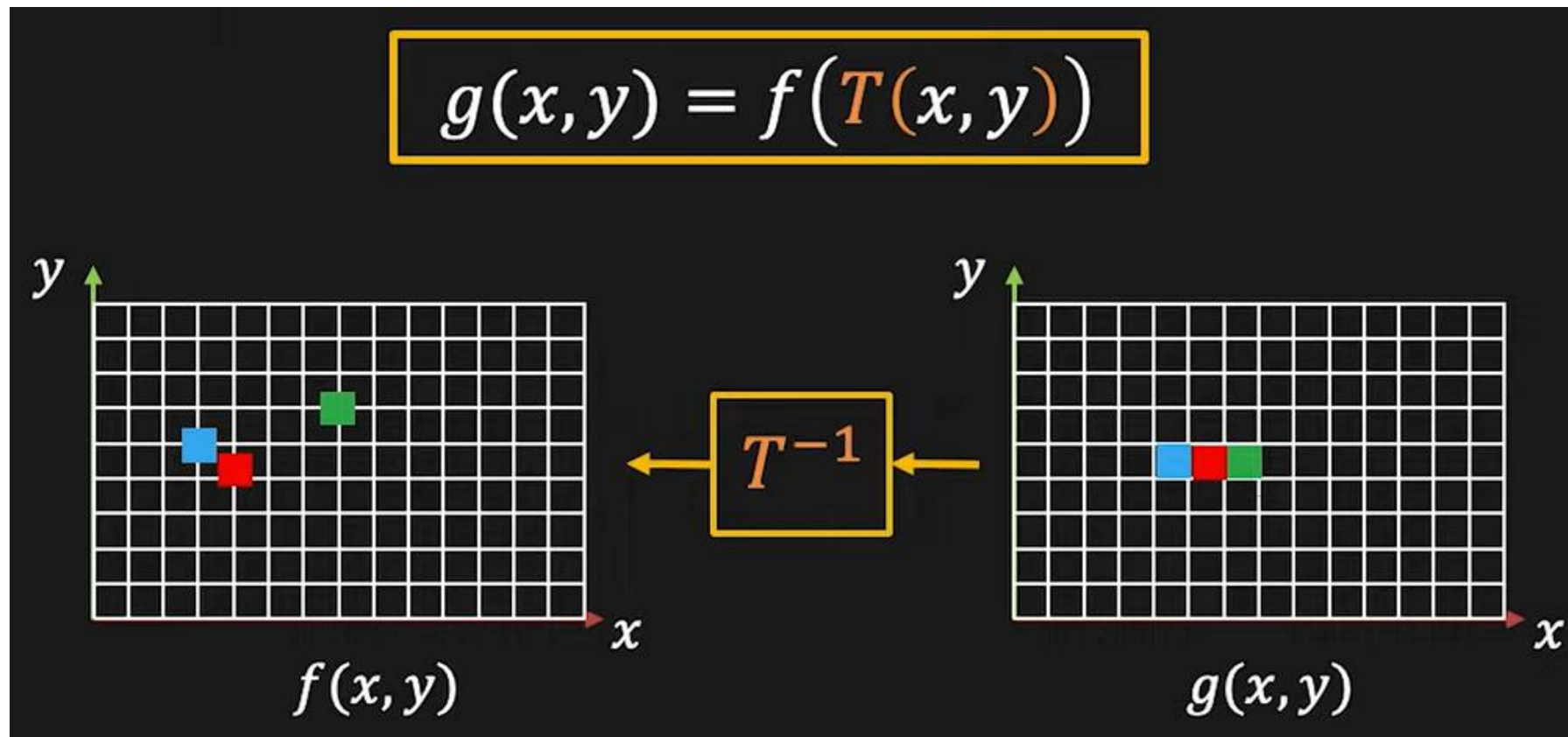


Image Alignment

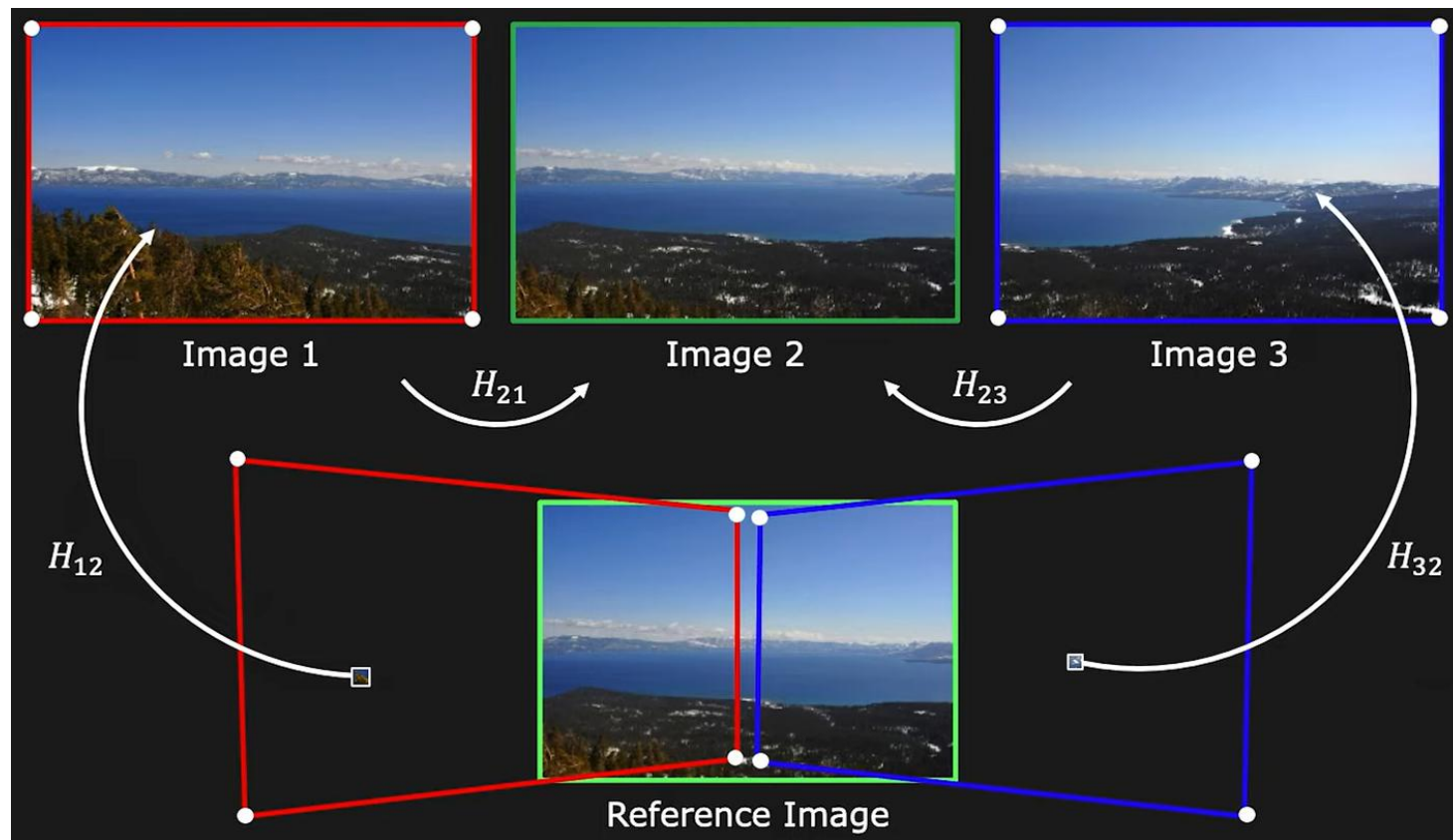


Image Alignment

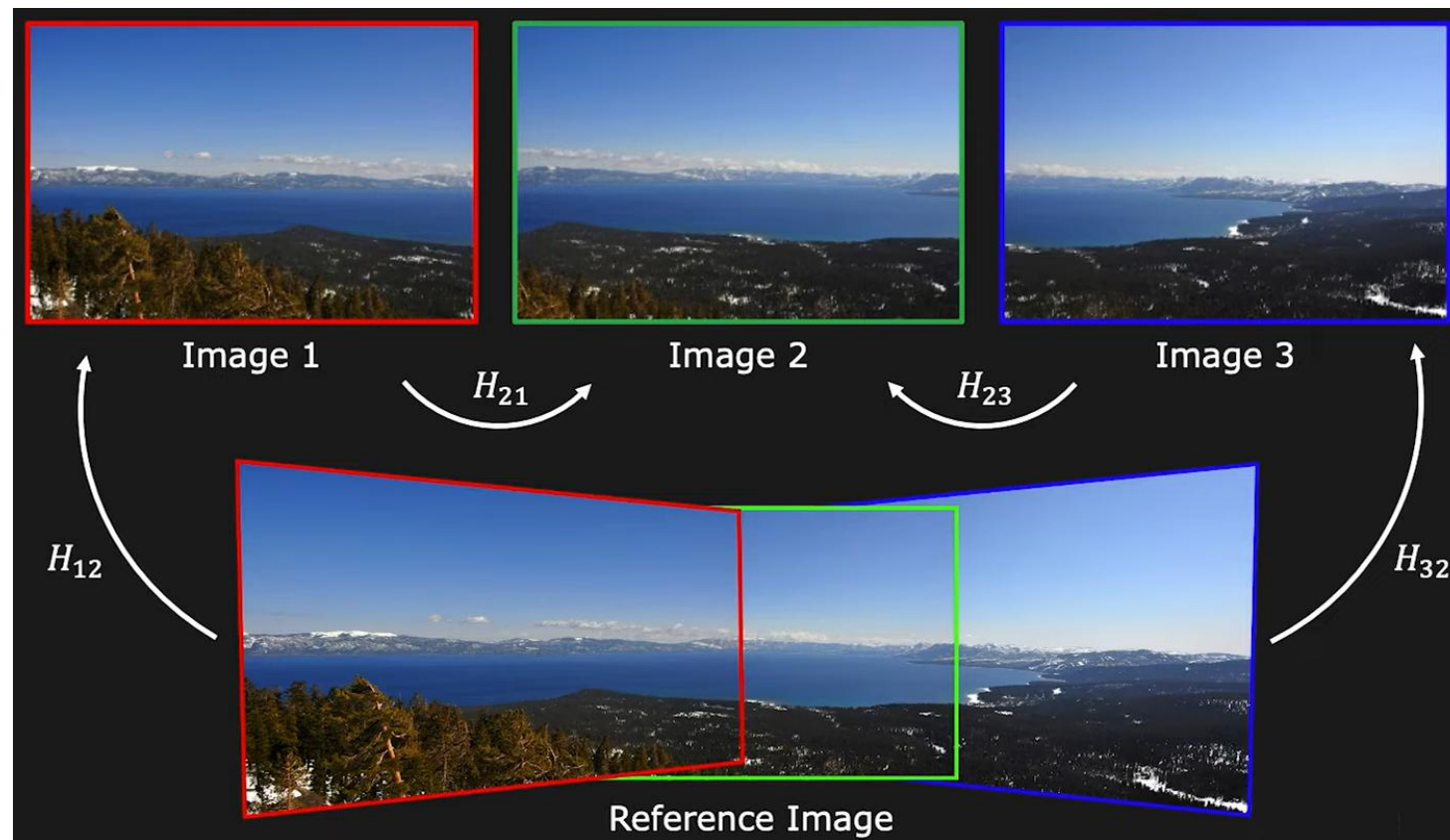


Image Blending

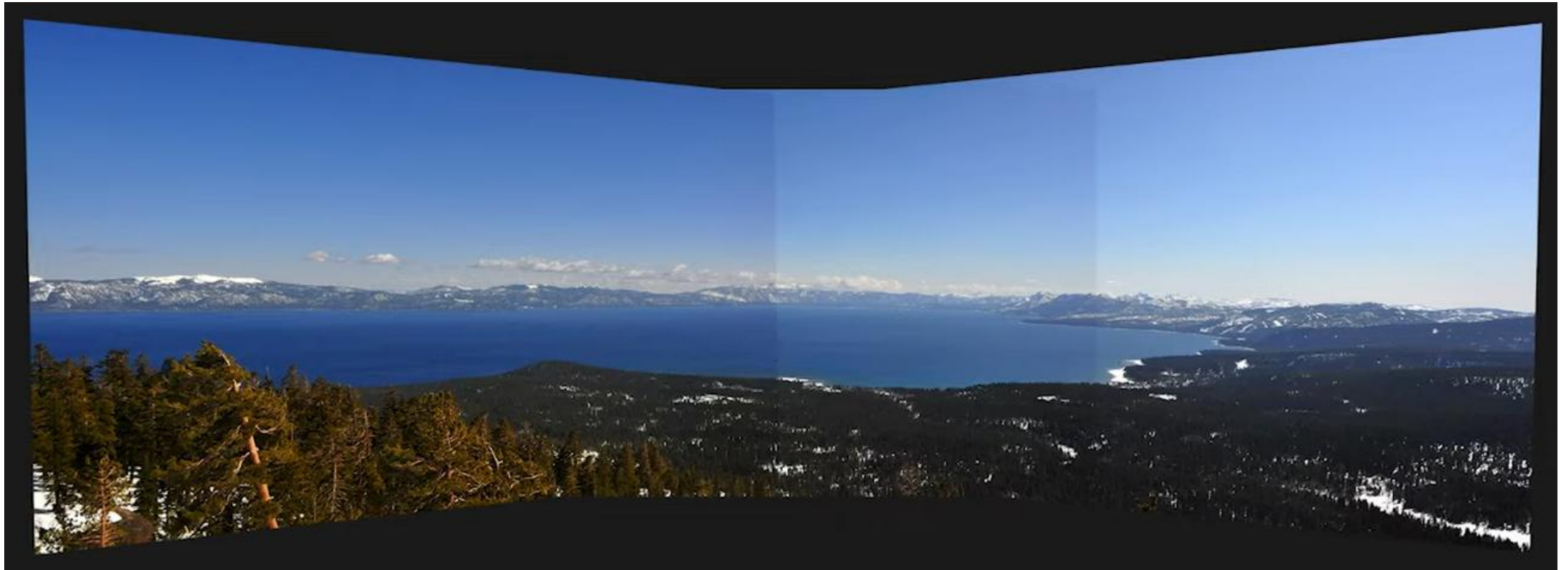


Image Blending: Averaging

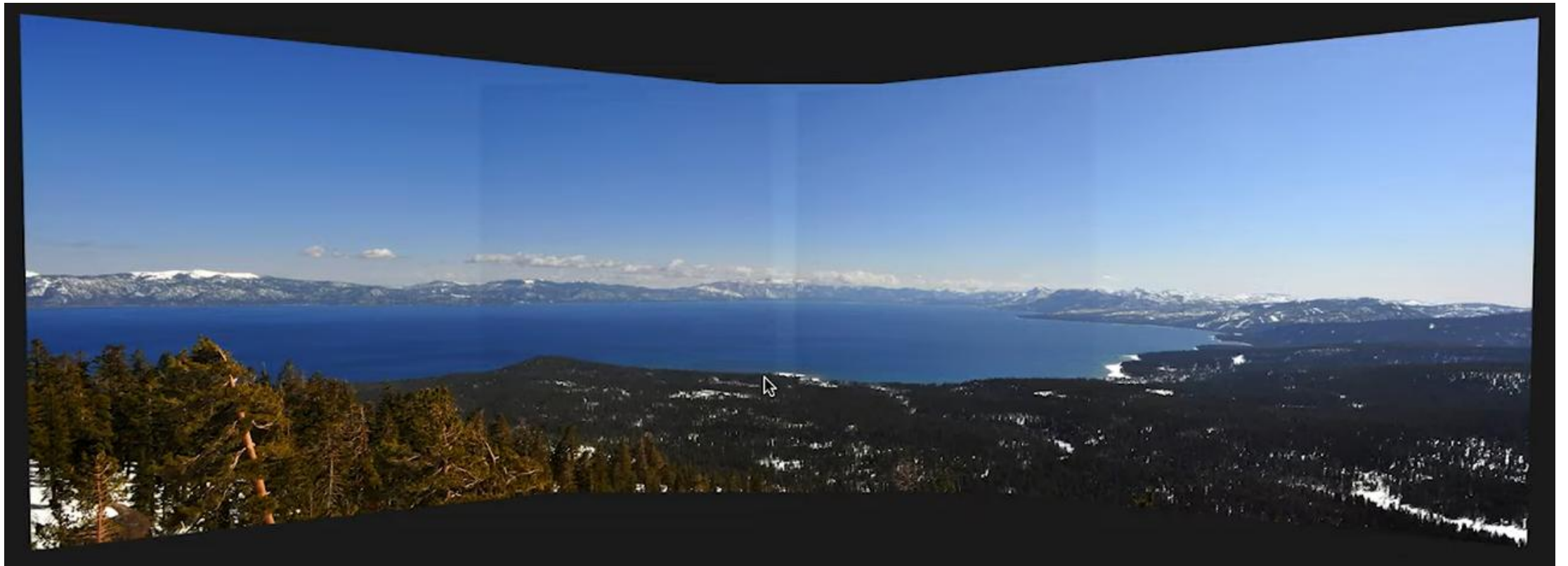
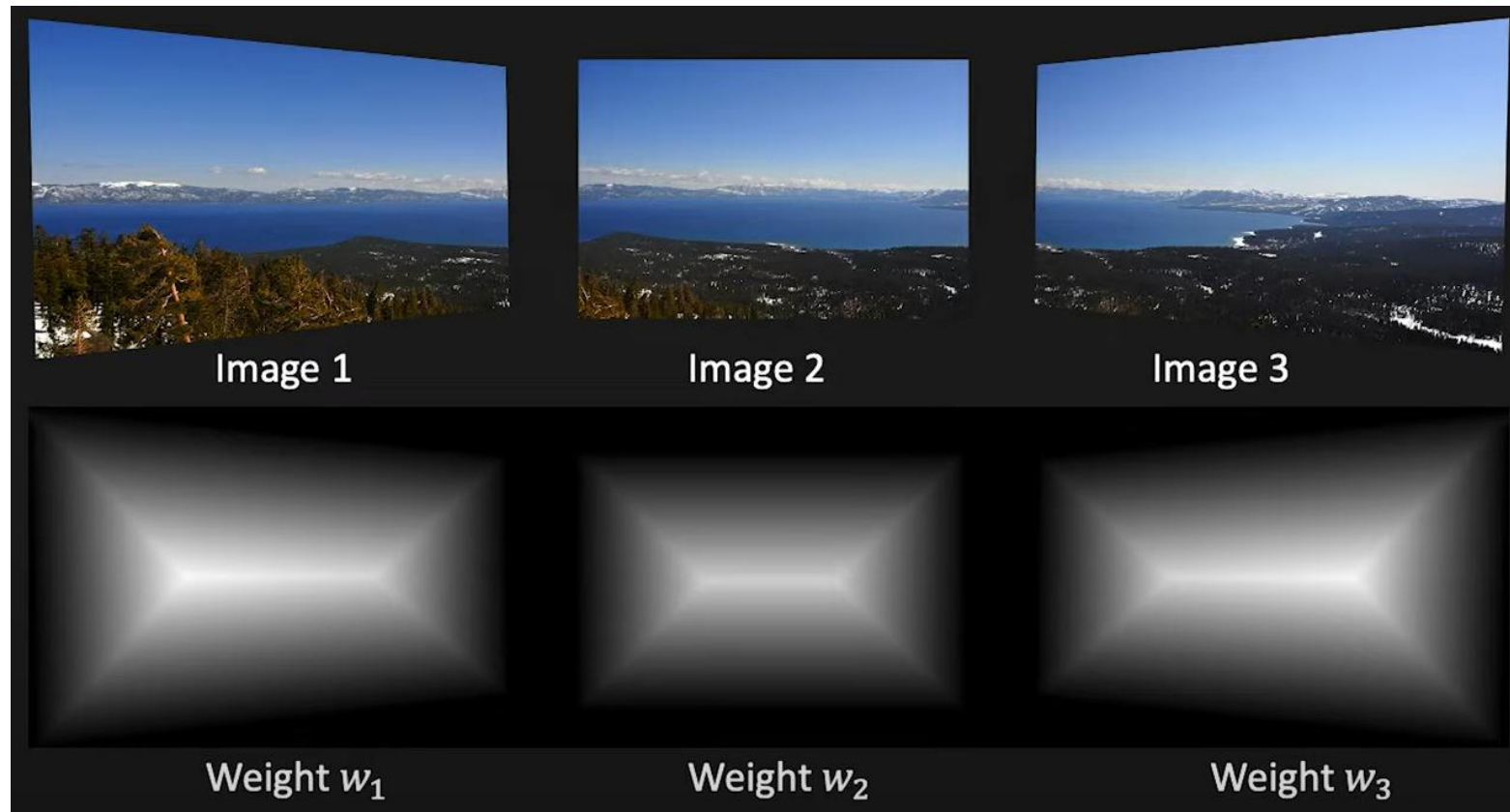


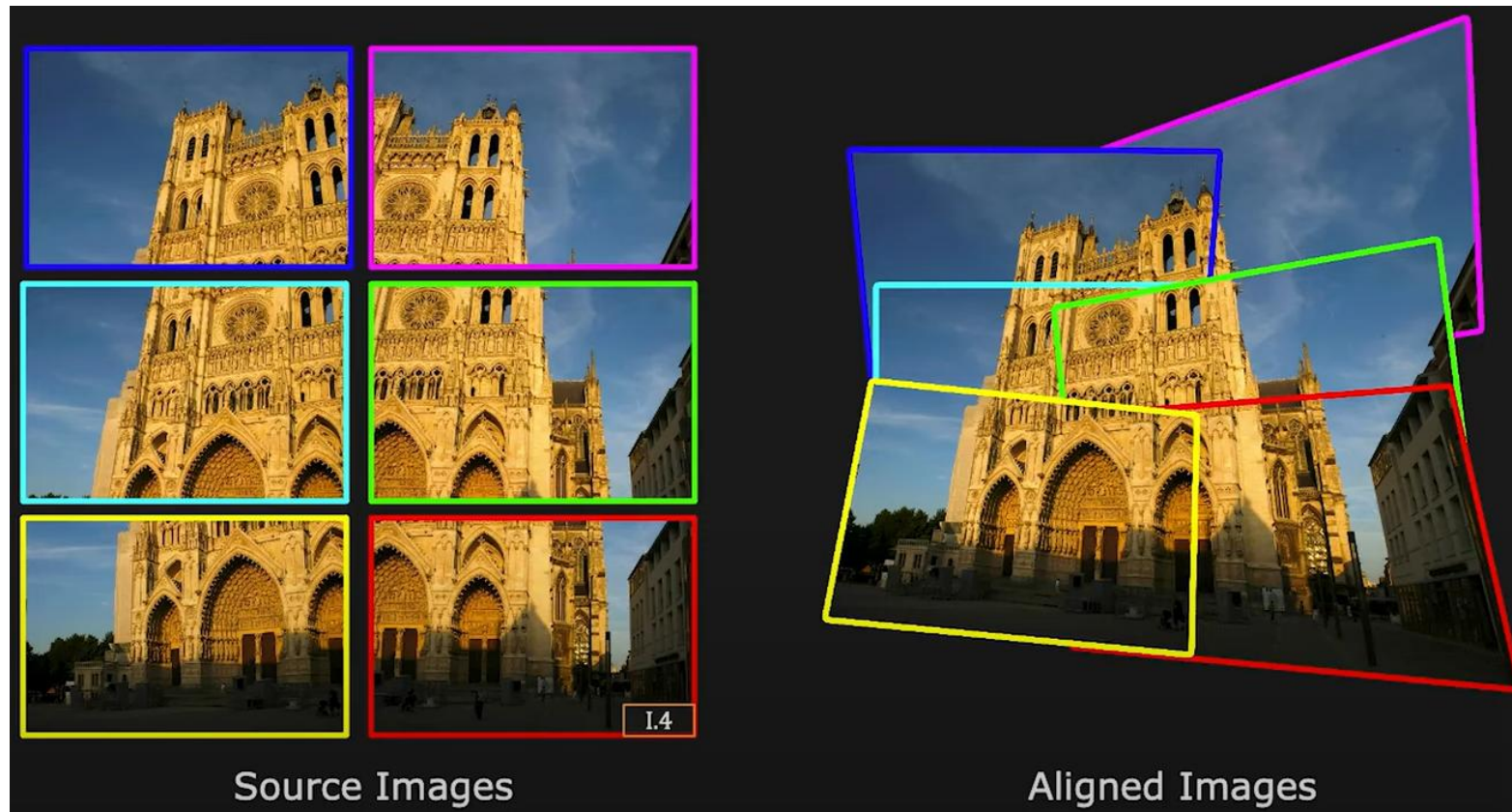
Image Blending: Weighting function



Weighted Blending



Image Blending example



Notre-Dame Paris

