

Instruction

Note that the training dataset are too large to upload to github. Please download the training data and the corresponding RGB and hyperspectral scenes by using the following link:

<https://drive.google.com/open?id=1VdZOyHsB9O8D5iRkVzOuSvgjguILOftu>

A. Unzip the training dataset to the following path:

[TSP-Code\CASSI\Design\](#)

B. Simulations for NUMERICAL RESULTS IV-A,B, and C

Figure 3 (Gaussian sources): execute TspSyntData(1)

Figure 4 (GMM sources): execute TspSyntData(2)

Figure 5 (Real imaging applications): execute TspSyntData(3)

C. Simulations for CASE STUDY V-B

Figure 9 (a) and (b), random/design measurements (1 snapshot): execute TspCASSI(1)

Figure 9 (c) and (d), random/design measurements (2 snapshots): execute TspCASSI(2)

Figure 10 (coupled dictionary learning): execute TspCASSI(3)