EE5602: Probabilistic Graphical Models, Fall 2020 (56)

Indian Institute of Technology Hyderabad

HW 1, Assigned: Saturday 12.12.2020.
Due: Friday 18.12.2020 at 11:59 pm.

Note: The name of your Jupyter notebebook submission should follow the convention `roll-no-hw1.ipynb`. Do not turn in the images.

1. Recall the disparity estimation discussion from class. Implement the sum-product algorithm to estimate the disparity map from a stereo image pair. Assume the left image to be the reference. Refer to *Sudderth2008.pdf* for the compatibility function definitions. For simplicity, assume that the disparity values are quantized to 10 levels. Use the image pair posted along with this HW. (30)