

Basic Assignment 1: Image Filtering

- Implement Bilateral Filtering.
- Ideas for exploration:
 - Applications of BF: stylization, tone mapping, etc
 - Fast BF using Bilateral Grid [Chen07]
 - Confirm result consistency with baseline BF
 - Compute weight map by solving Laplace eq. on Bilateral Grid [Chen07]
 - Compute weight map by interpolating user constraints in the feature space [Li10]
 - Joint (Cross) Bilateral Filter
 - Rolling Guidance Filter
 - Non-Local Means Filter