

Fully convolutional neural network for semantic segmentation of VHR image

Descriptions for Ucal 5-10 (all these models are trained with 15 images and 1 images for validation)

Ucal5

1. Fusion of 4s with max operation.
2. global pooling to incorporate contextual information
3. use dilated convolution operation.

Ucal6

1. Fusion of 4s with max operation.
2. global pooling to incorporate contextual information
3. use dilated convolution operation.
4. use DSM data for building segmentation

Ucal7

1. Fusion of 4s with max operation.
2. global pooling to incorporate contextual information
3. use dilated convolution operation.
4. use DSM data input channel

Ucal8

1. multi-level fusion with max operation
2. global pooling to incorporate contextual information
3. use dilated convolution operation.

Ucal9

1. multi-level fusion with max operation
2. global pooling to incorporate contextual information
3. use dilated convolution operation.
4. use dsmNetwork

Ucal10

1. multi-level fusion with max operation
2. global pooling to incorporate contextual information
3. use dilated convolution operation.

4.use dsm data for building segmentation

paper is coming soon...