



Repository Construction



Dependency Recognition



Multi-file Editing





{ "file": "vis_utils.py", "function": "Image Processing for Basic "A Python module that provides..."}. Depth Completion" { "file": "depth completion.pv".... }





Analyze the project description. Generate a project structure that shows the dependencies between files.



Construction Graph

[ip_basic/dataset_sparsity.py], [ip_basic/depth_completion.py], [depth_map.py] ∈ [depth_completion.py]



ip_basic/vis_utils.py

import cv2

def cv2 show image(): ...

ip_basic/depth_completion.py

from ip basic import vis utils vis utils.cv2 show image(...)



Analyze their content and determine the dependency relationship between files.



Dependency Detection

[ip_basic/vis_utils.py, ip_basic/depth_completion.py]



ip_basic/vis_utils.py

import cv2

def cv2 show image(): ...

ip basic/depth completion.py

from ip basic import vis utils vis utils.cv2 show image(...)





Add an option to save the displayed images to disk.

Code Modify.



import cv2

After

def cv2_show_image(..., save_path=None): if save path: cv2.imwrite(save path, image)



from ip basic import vis utils

After

save path = 'process/' + key + '.png

vis_utils.cv2_show_image(..., save_path=save_path)