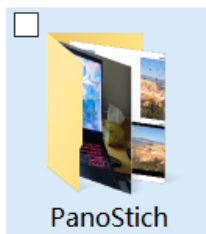# Panorama Stitching

1852345 毛靖鑫

How to Run

➢ Open Assignment1\Panorama_Stitching\Panorama_Stitching.m

➢ Put the picture to be stitched into Assignment1\Panorama_Stitching\PanoStich\

➢ Run Panorama_Stitching.m

➢ Enter the name of the picture to be panorama stitched in the matlab command line in turn

➢ Waiting for a few seconds will calculate the output Figure and automatically save it to \PanoStich\ folder (The name of the saved picture will be generated based on the two pictures you entered before)

➢ All detailed comments are written in the source code, I won't repeat them here.

File structure

--Source code:

    --Panorama_Stitching.m ————— Panorama stitching main file

    --tight_subplot.m ————— Customize the tool function of
      Matlab's Figure display spacing

    --vlfeat-0.9.21-bin\ ————— vlfeat package

--Documentation:

    --Panorama Stitching.pdf

--Images:

    --PanoStich\

Result display

First Img Interest Points

Second Img Interest Points

Key Points Matches [Total 44 Matches!]

Left Match Points
Right Match Points

Panorama Stitching Image

First Img Interest Points

Second Img Interest Points

Key Points Matches [Total 161 Matches!]

Left Match Points
Right Match Points

Panorama Stitching Image

First Img Interest Points

Second Img Interest Points

Key Points Matches [Total 771 Matches!]

Left Match Points
Right Match Points

Panorama Stitching Image

First Img Interest Points

Second Img Interest Points

Key Points Matches [Total 608 Matches!]

Left Match Points
Right Match Points

Panorama Stitching Image