

图像配准作业

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网络数据 - 12.m

变量 - BPoints

APoints

BPoints

7x2 double

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|------------|------------|---|---|---|---|---|---|---|----|----|
| 1 | 893.8208 | 284.7270 | | | | | | | | | |
| 2 | 643.7310 | 1.2671e+03 | | | | | | | | | |
| 3 | 911.8272 | 1.2571e+03 | | | | | | | | | |
| 4 | 1.7749e+03 | 1.8627e+03 | | | | | | | | | |
| 5 | 1.9267e+03 | 1.0552e+03 | | | | | | | | | |
| 5 | 2.6705e+03 | 1.6608e+03 | | | | | | | | | |
| 7 | 2.7450e+03 | 353.7494 | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |

三．计算转换矩阵：

$$H=B*A'*(A*A')^{-1};$$

结果：

编辑器 - f2.m

变量 - H

H

3x3 double

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|----|-------------|------------|-----------|---|---|---|---|---|---|----|----|
| 1 | 1.0226 | -0.2182 | 85.0456 | | | | | | | | |
| 2 | 0.0520 | 0.8197 | -313.6360 | | | | | | | | |
| 3 | -2.7105e-20 | 1.0842e-19 | 1 | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |

四．输出转换之后的图像：

配准后的A图像



B图像

