**Assignment 2:**

**Stereo Matching**

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1. Calculating ssdd for the below recrified images and dsp\_range=2:



|  |  |  |
| --- | --- | --- |
| 2-1 | 3-1 | 4-1 |
| 7-2 | 8-2 | 9-2 |
| 12-3 | 13-3 | 14-3 |

1. For , disparity value = 0. Differences:
2. For , disparity value = 1. Differences:

|  |  |  |
| --- | --- | --- |
| 2-1 | 3-1 | 4-1 |
| 7-2 | 8-2 | 9-2 |
| 12-3 | 13-3 | 14-3 |

1. For , disparity value = -2. Differences:

|  |  |  |
| --- | --- | --- |
| 8-2 | 9-2 | 10-2 |
| 13-3 | 14-3 | 15-3 |
| 18-4 | 19-4 | 20-4 |

1. For , disparity value = -1. Differences:

|  |  |  |
| --- | --- | --- |
| 8-2 | 9-2 | 10-2 |
| 13-3 | 14-3 | 15-3 |
| 18-4 | 19-4 | 20-4 |

1. The function ssd\_distance is implemented and can be viewed in the python src files.