

SSD Stereo Example

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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|---|---|--|--|--|--|
| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
| 1 | | | | | |
| 1 | | | | | |

SSD at disparity 1:

| | | | | | |
|----|--|--|--|--|--|
| 32 | | | | | |
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SSD at disparity 2:

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SSD Stereo Example

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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Final disparity:

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SSD at disparity 0:

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|---|---|--|--|--|--|
| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
| 1 | | | | | |
| 1 | | | | | |

SSD at disparity 1:

| | | | | | |
|----|--|--|--|--|--|
| 32 | | | | | |
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SSD at disparity 2:

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SSD Stereo Example

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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|---|---|--|--|--|--|
| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
| 1 | | | | | |
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SSD at disparity 1:

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|----|--|--|--|--|--|
| 32 | | | | | |
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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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|----|--|--|--|--|--|
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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
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Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
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SSD at disparity 1:

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SSD at disparity 2:

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

Consider the stereo image pair shown. We will compute the SSD values for disparities between 0 and 2 pixels. Use a 3x3 window.

Final disparity:

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SSD at disparity 0:

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SSD at disparity 1:

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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
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| 1 | 2 | 2 | 2 | 1 | 1 |
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Final disparity:

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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
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| 1 | 2 | 2 | 2 | 1 | 1 |
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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
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| 1 | 2 | 2 | 2 | 1 | 1 |
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SSD at disparity 0:

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| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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SSD at disparity 1:

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|----|--|--|--|--|--|
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SSD at disparity 2:

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SSD Stereo Example

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 |
| 1 | 1 | 1 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 |

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| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 |
| 1 | 2 | 2 | 2 | 1 | 1 |
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SSD at disparity 0:

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|---|---|--|--|--|--|
| 0 | 0 | | | | |
| 4 | 4 | | | | |
| 1 | 6 | | | | |
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|----|--|--|--|--|--|
| 32 | | | | | |
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SSD at disparity 2:

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