HOMEWORK 18

Image Matching

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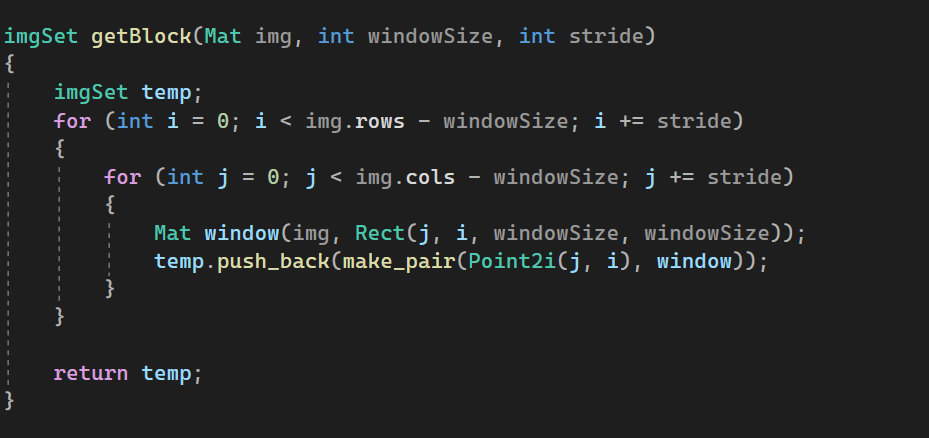
**Objective**: Detecting Motion Vectors in two images.

**Algorithm Used**: Traditional Algorithm

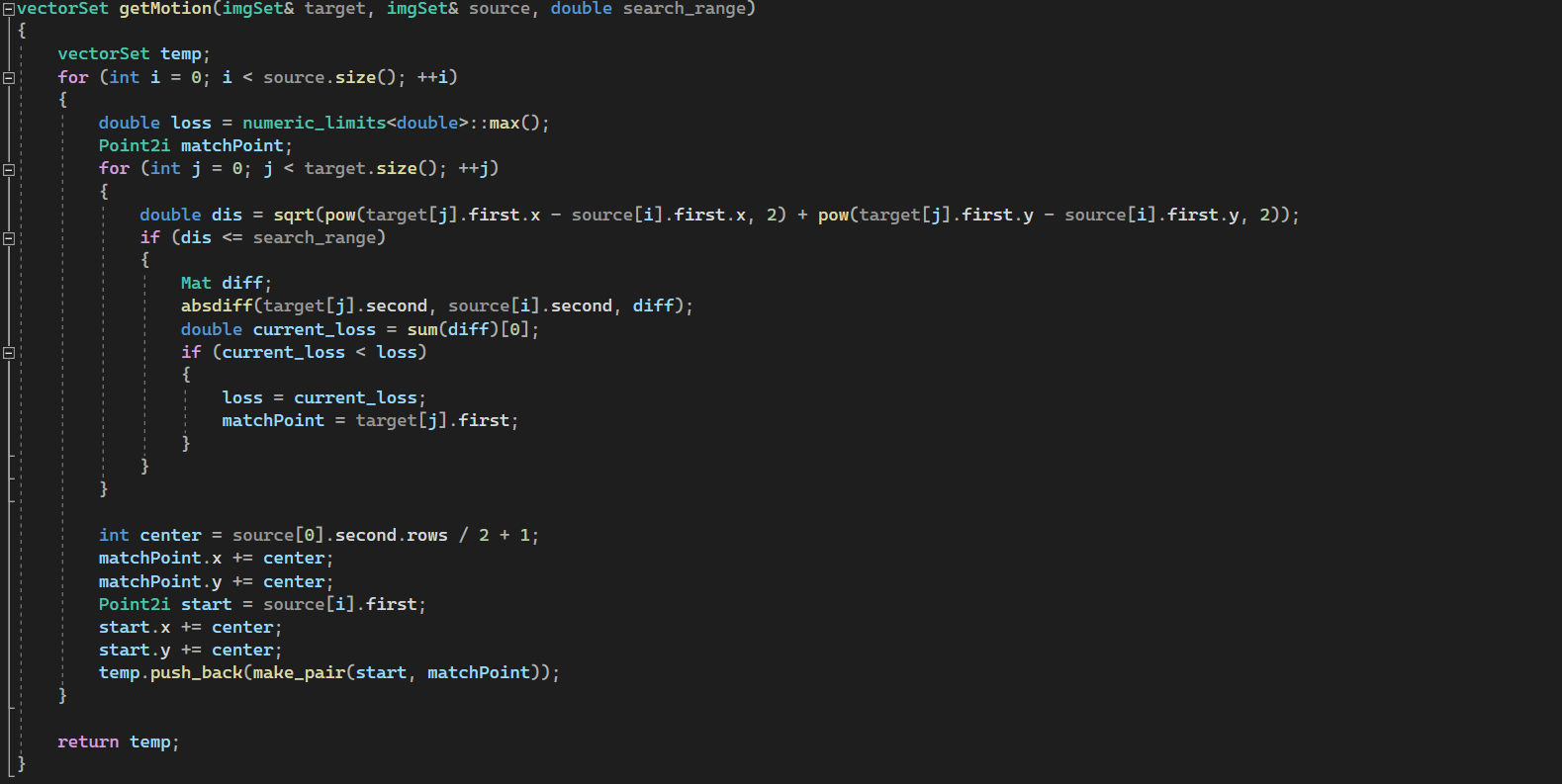
* Create the Windowing Function.
* Compare the two image pixel values on the same window.
* Find the Direction.
* Apply Quiver on the image.

**Screenshot of the Algorithm:**

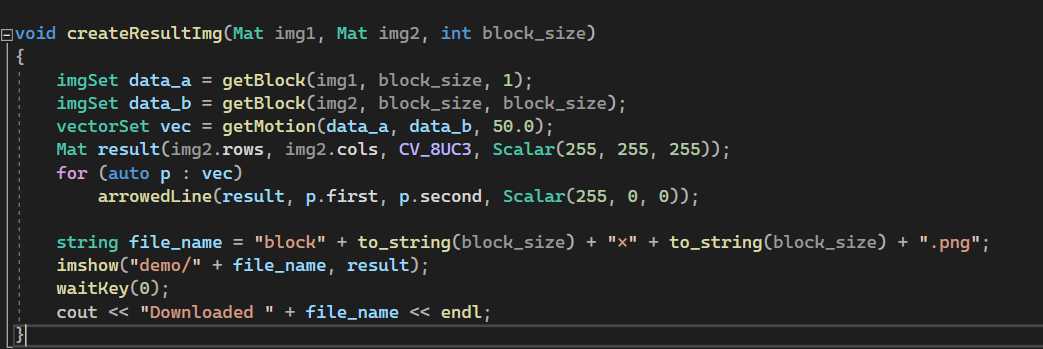
Create the Window:



Find the direction of motion

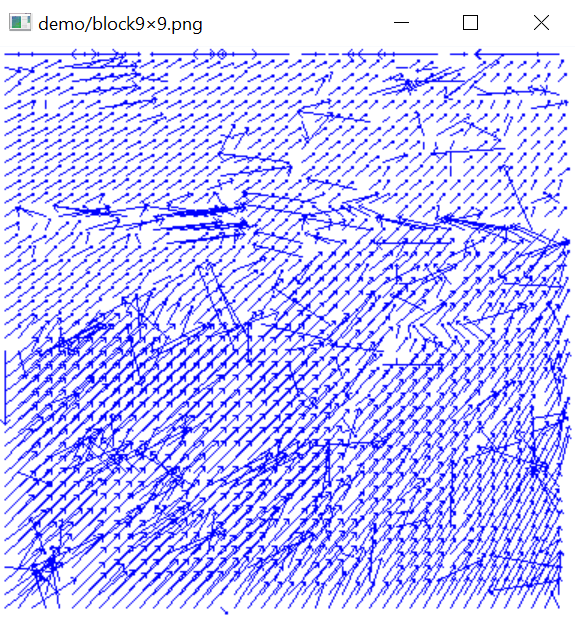


Create the motion Diagram

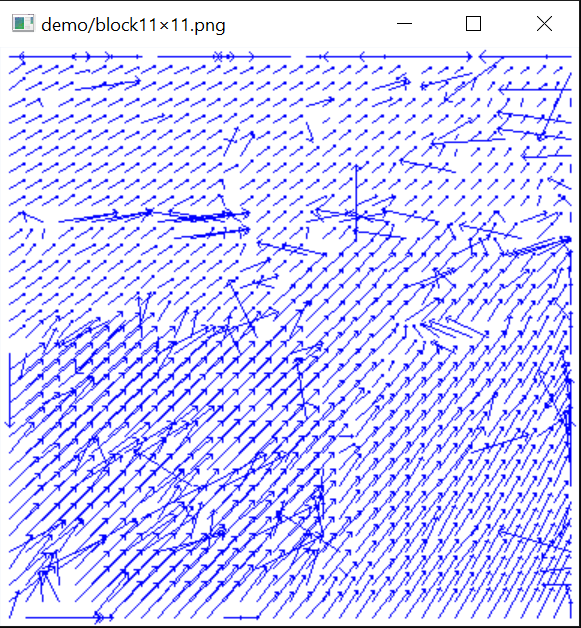


Example Images

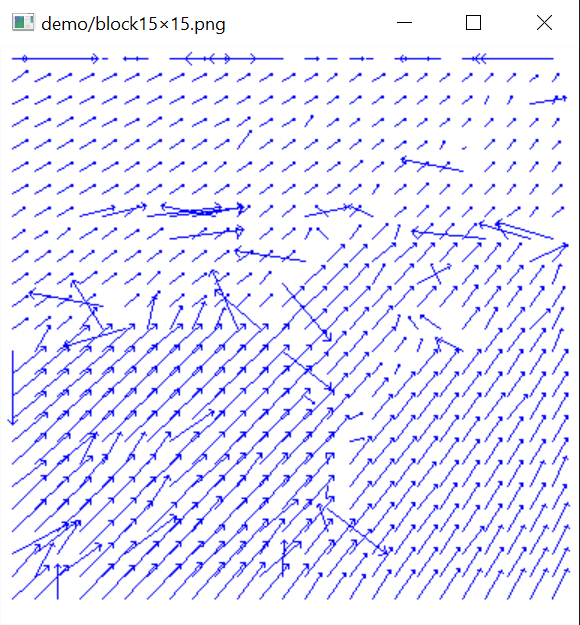
1. Using 9\*9 Block



1. Using 11\*11 Block



1. Using 15\*15 Block



1. Using 21\*21 Block



1. Using 31\*31 Block

