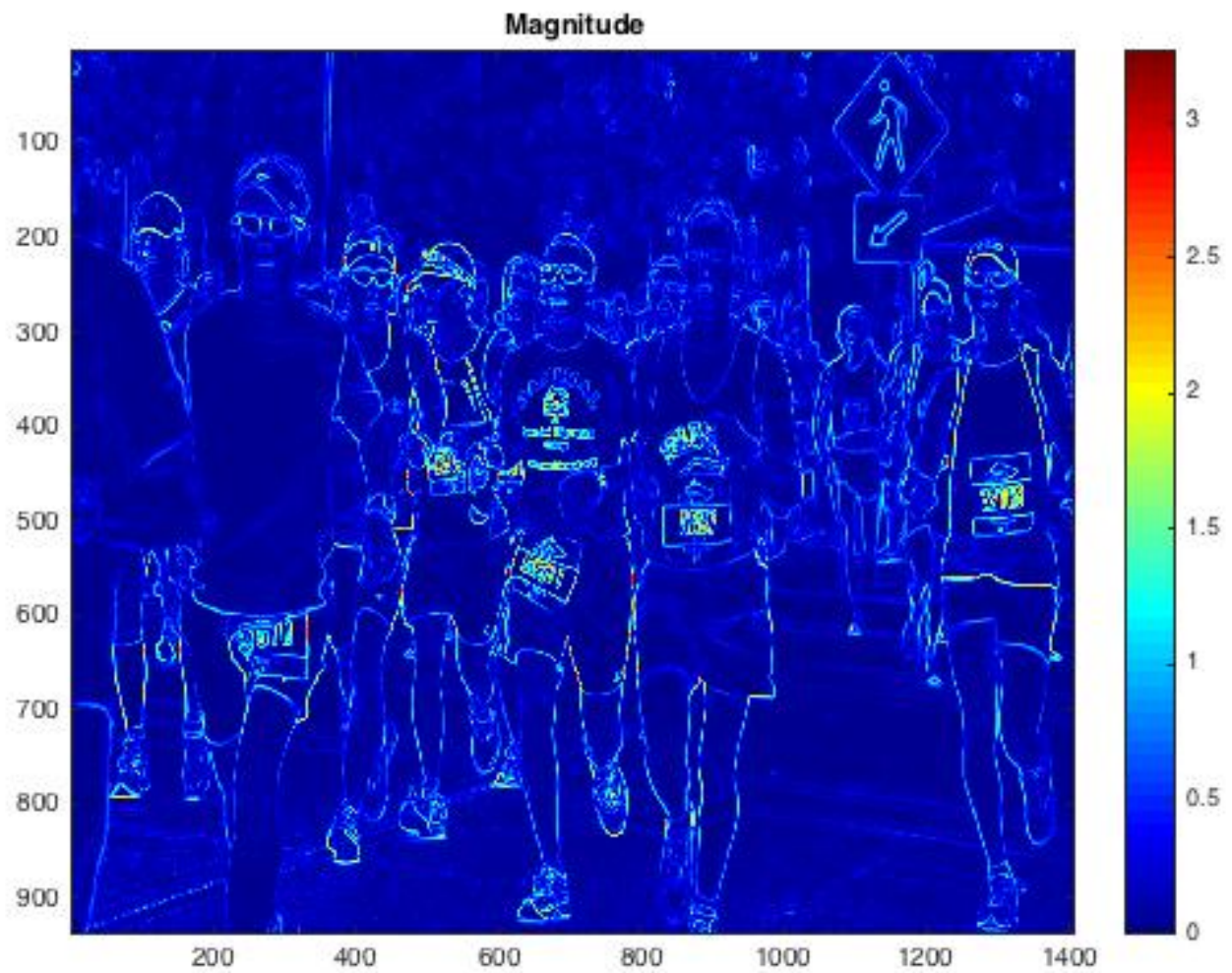
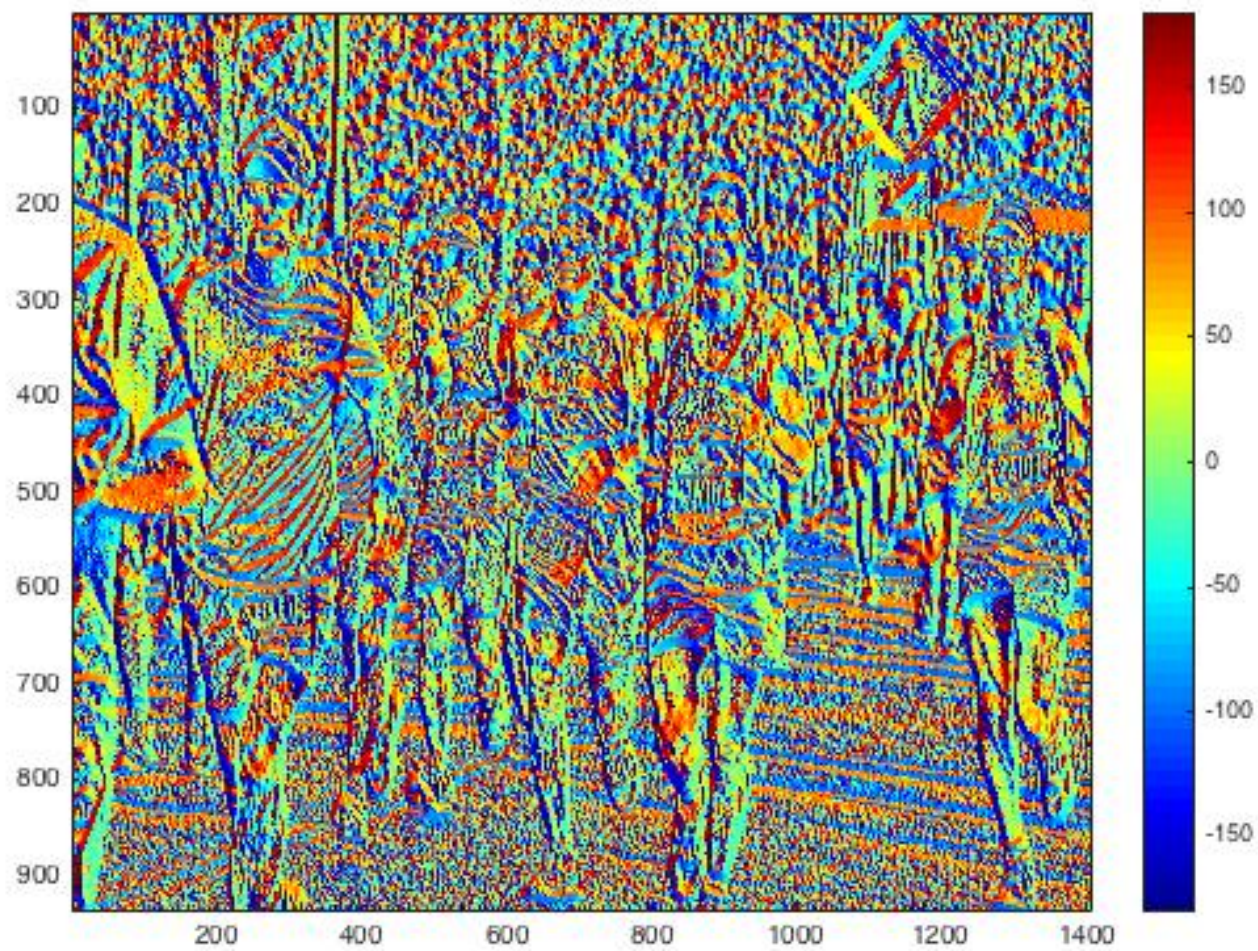


Test mygradient



Orientation



# Example 1

Input Image



Sample





## Result















Sign Post Reflector in typical crosswalk application

## Example 2

Input

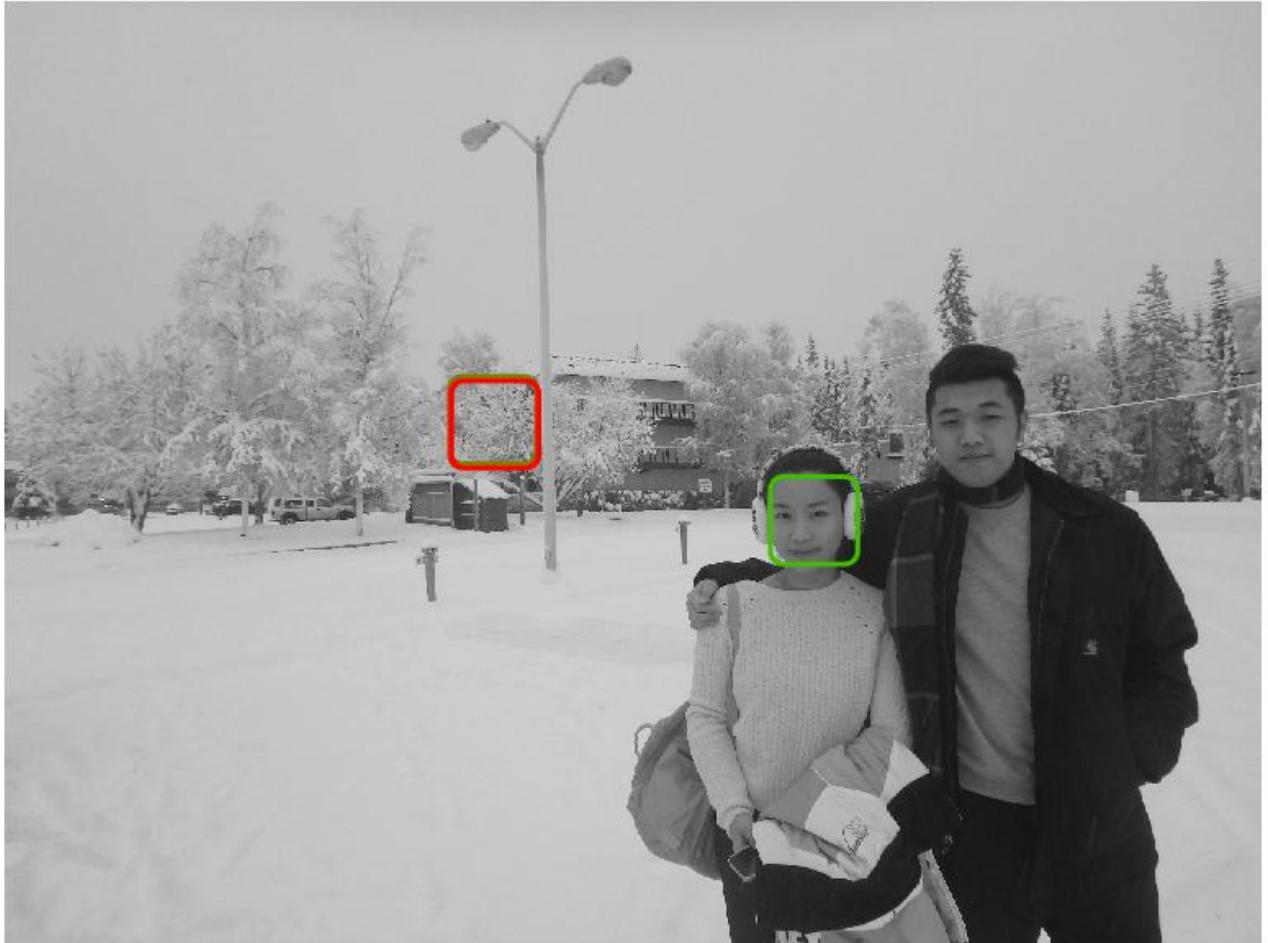


Sample





## Result



## Example 3

Input



Sample



## Result





**Discussion:**

When the object in the detected image has **the same/ approximately the same orientation** as an object in the original image, the detector can be more easily to recognize the object in the detected image. If the recognized object in the detected image has a great different orientation with the original one, the detector will easily fail. For example, the sign of 'test5.jpg' and 'test2.jpg' has a great different in orientation, so the detector is fail to recognize the sign from these two image.

On the other hand, the size of you clicked on to train the template is also affect the detector performance. When the captured size of the recognized object is not big enough to bound the whole object, it is hard to recognize the object from the detected image. Oppositely, if the size the capture the recognized object is too big, the detector will be fail too. As a result, the ideal captured size is to bound the recognized object precisely.