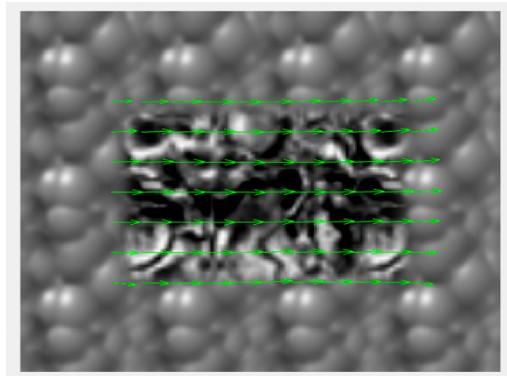
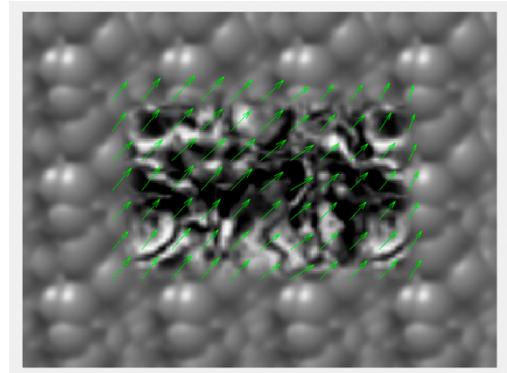


1.

a.



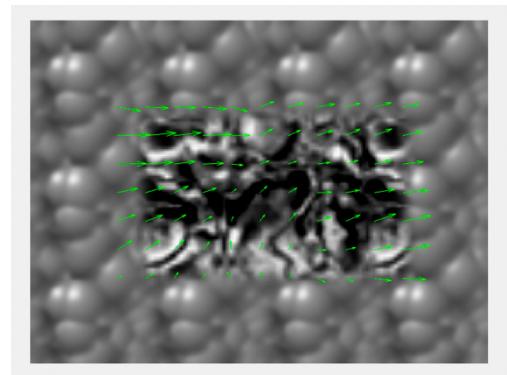
ps6-1-a-1.png



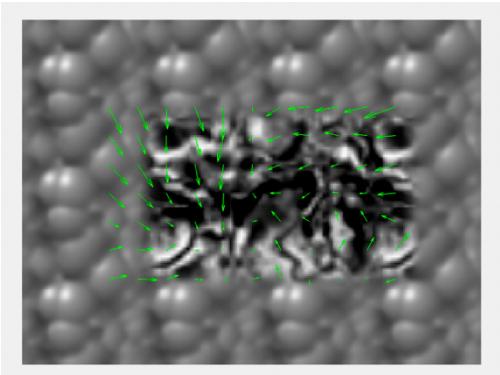
ps6-1-a-2.png

I use four different box filters( $2 \times 2$ ) for convolution to get  $I_x$ ,  $I_y$ , and  $I_t$ .

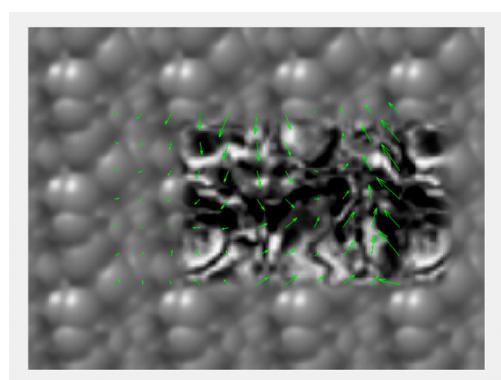
b.



ps6-1-b-1.png



ps6-1-b-2.png

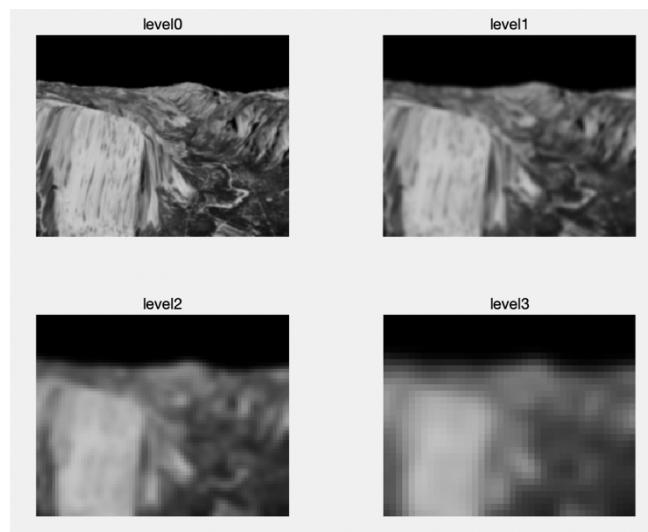


ps6-1-b-3.png

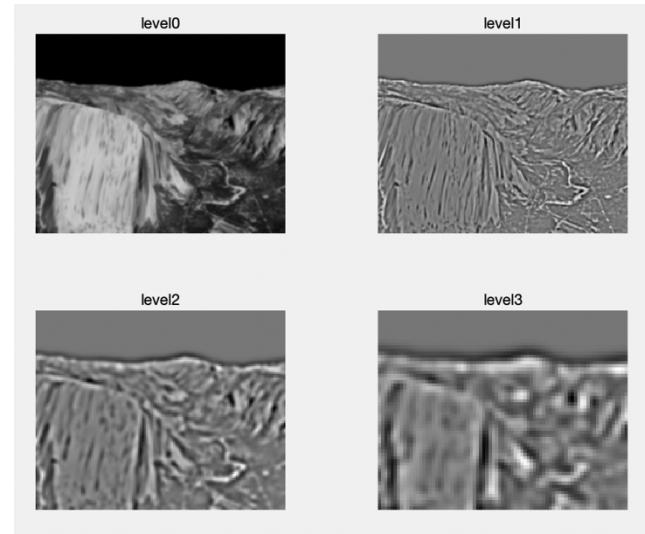
For these three images, I found that their optical flow is becoming irregular and moving in different directions.

2.

a.



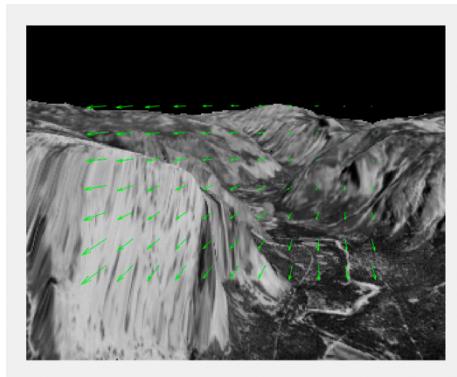
ps6-2-a-1.png



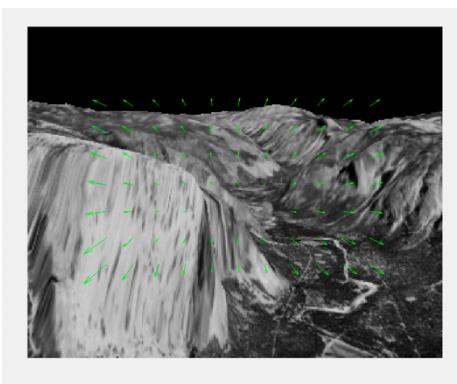
ps6-2-b-1.png

3.

a.



ps6-3-a-1.png



ps6-3-a-2.png



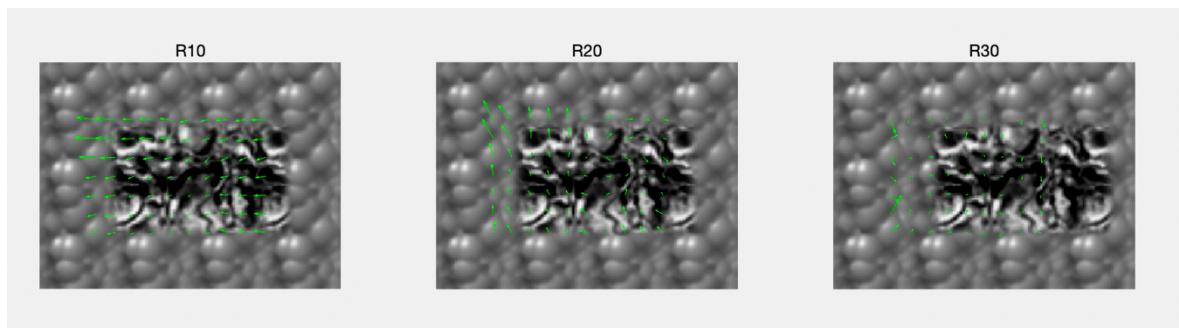
ps6-3-a-3.png



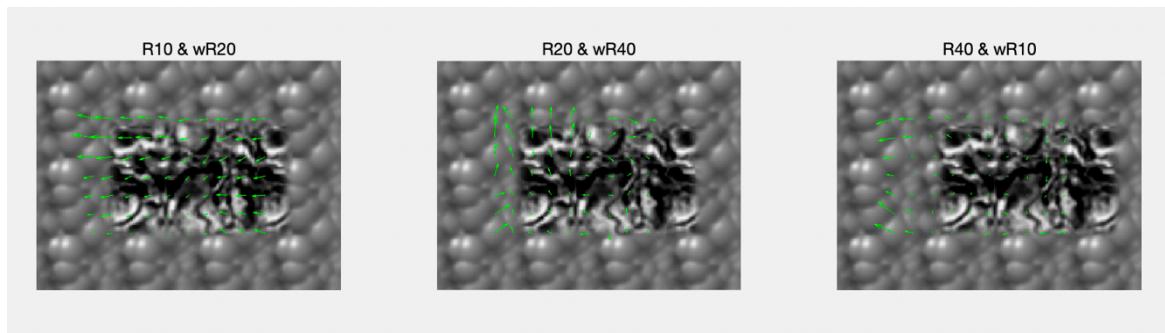
ps6-3-a-4.png

4.

a.

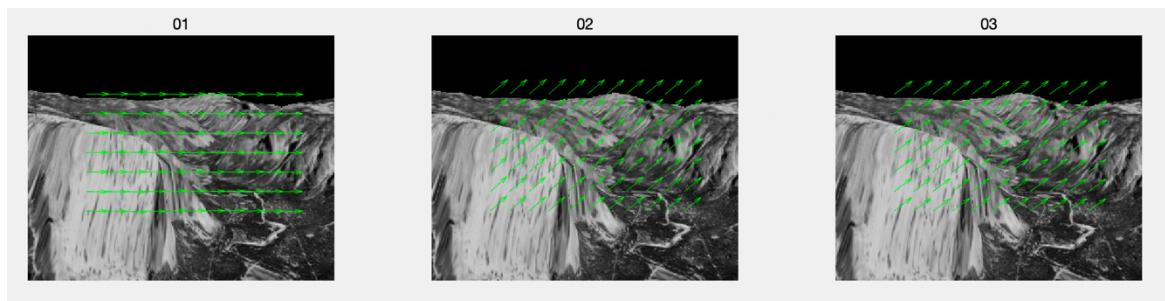


ps6-4-a-1.png

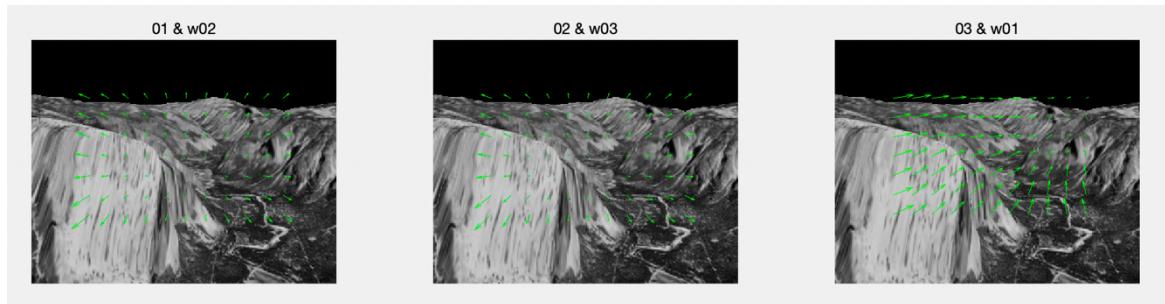


ps6-4-a-2.png

b.

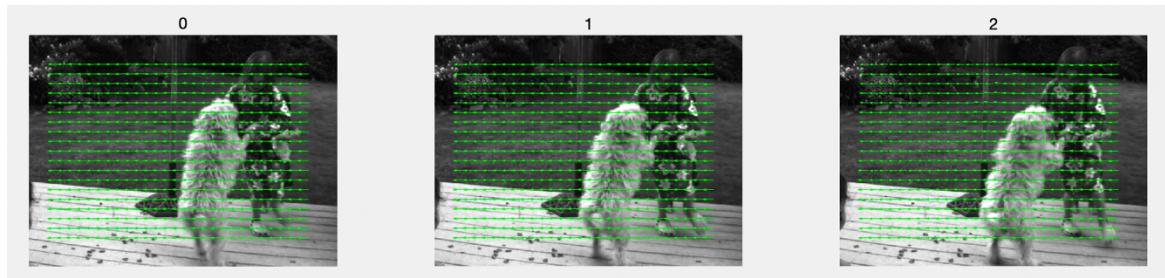


ps6-4-b-1.png



ps6-4-b-2.png

c.



ps6-4-c-1.png



ps6-4-c-2.png