

Exercise

Computer Vision (CSCI 4220U)

Please hand in this paper to the instructor before the end of the lecture.

Name: _____

Student number: _____ Date: _____

Q. Consider a signal

$$f = (1 \quad 3 \quad 4 \quad 0 \quad 3 \quad 4 \quad 4 \quad 4)$$

and consider a filter

$$k = (1 \quad 0 \quad -1)$$

Confirm whether or not f and $k * f$ has the same power.