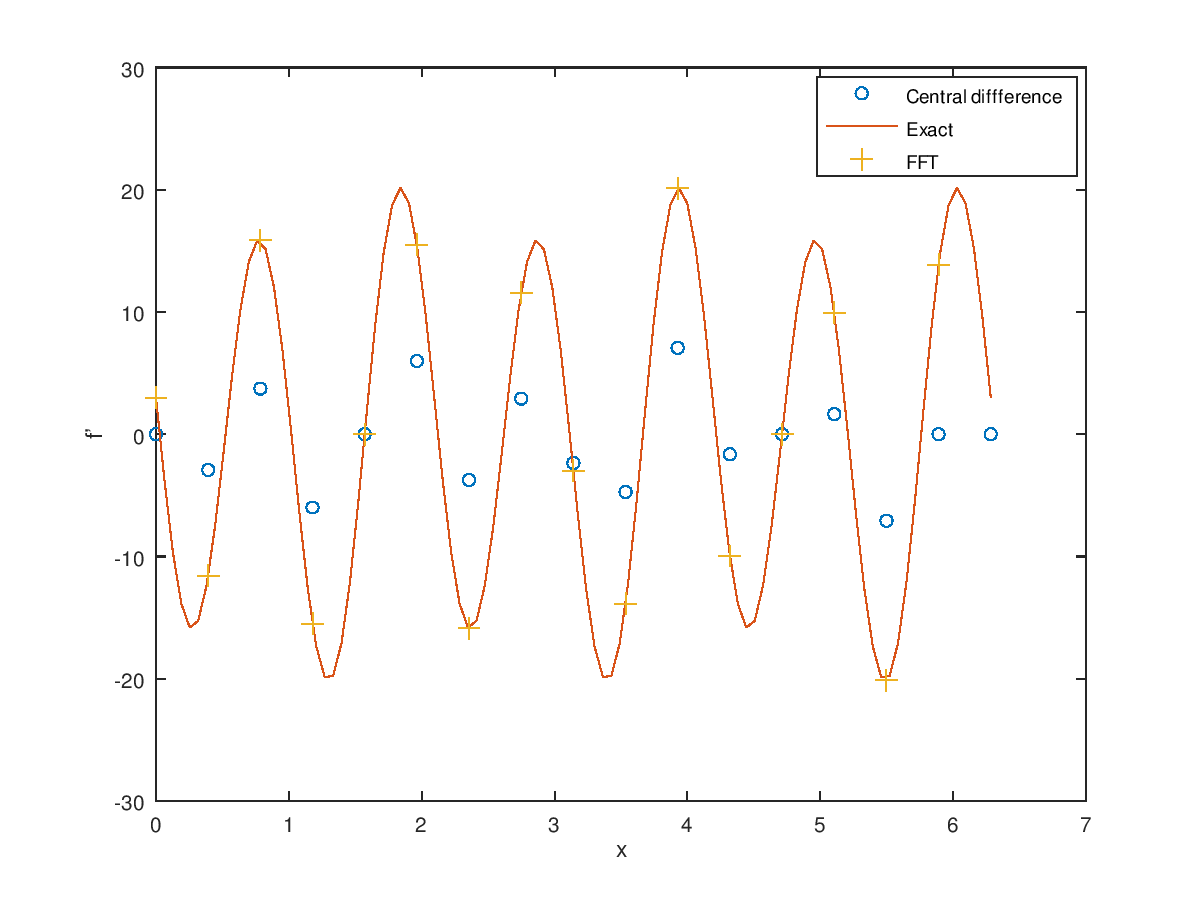
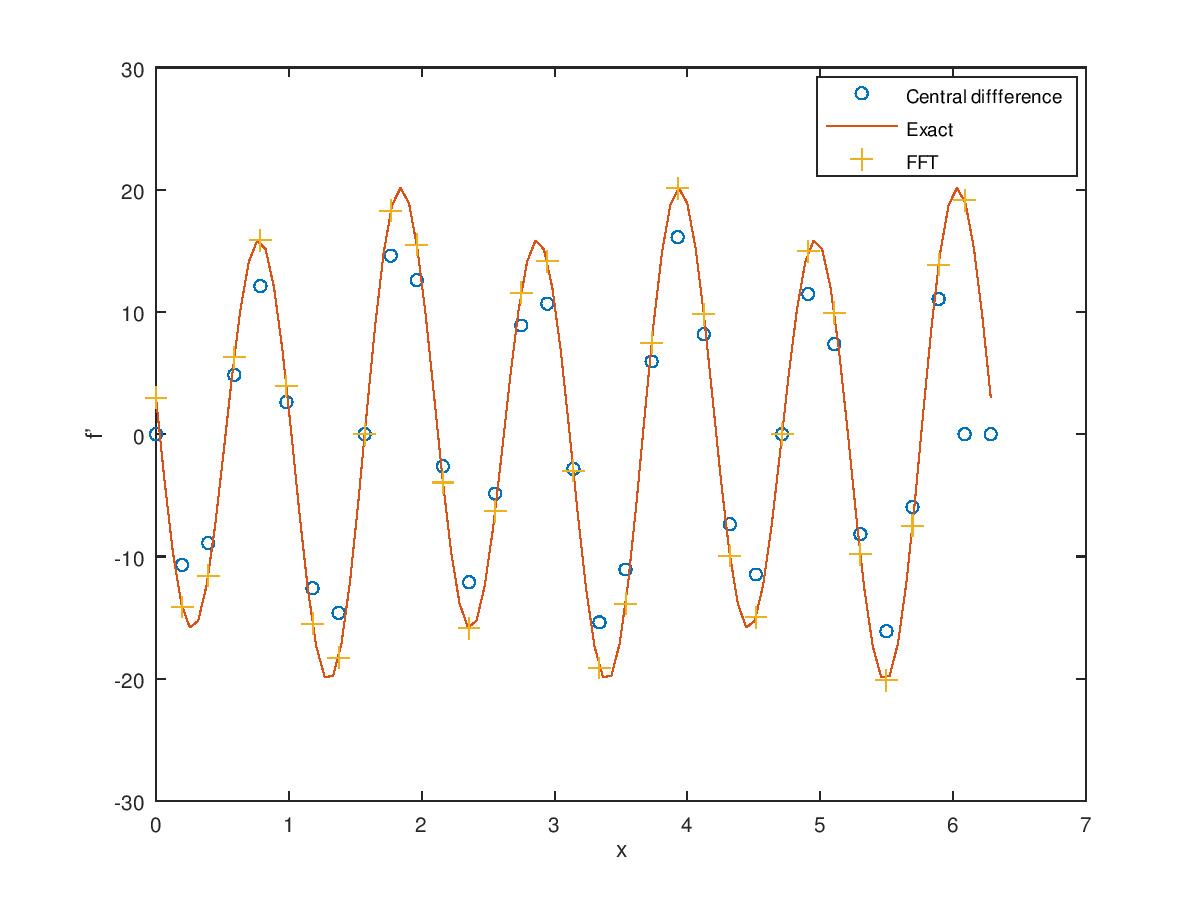
B.1

N=16

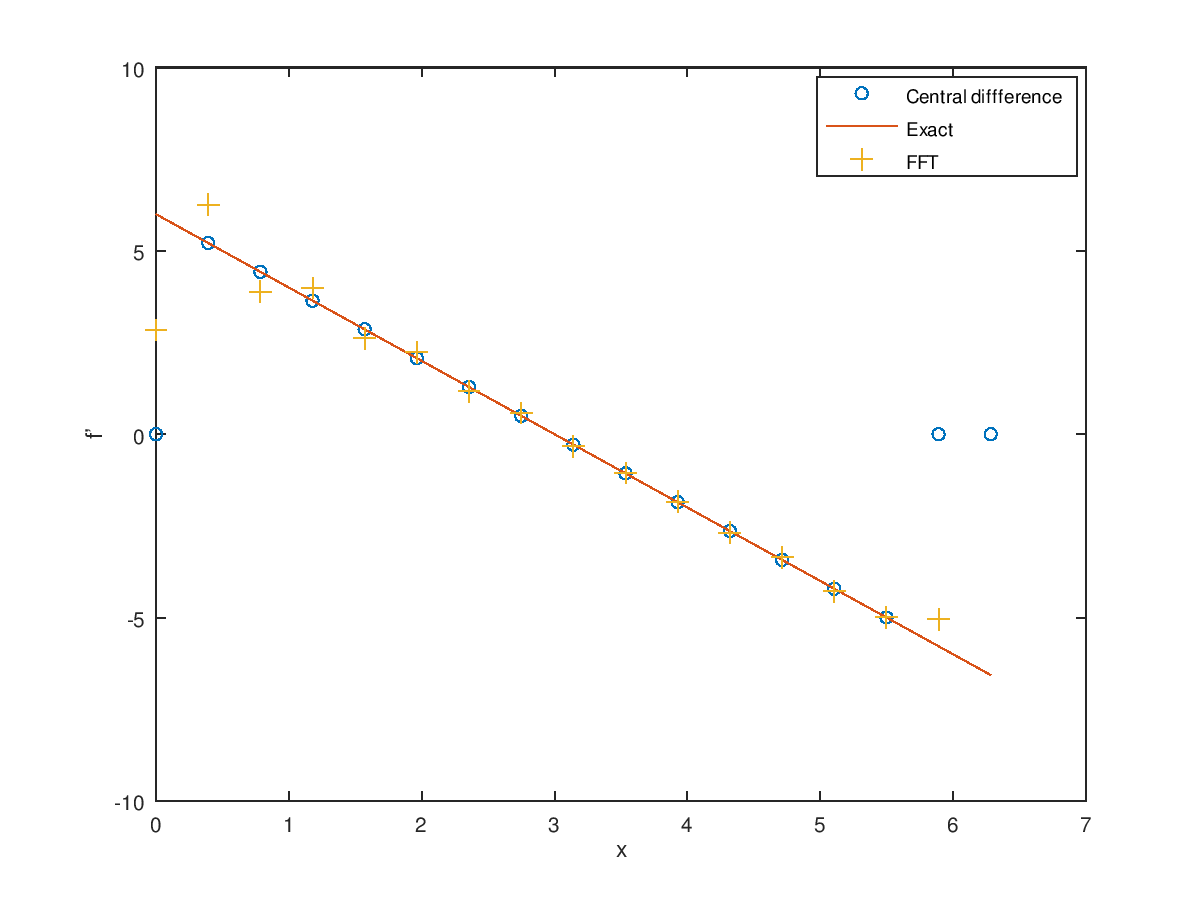


N=32

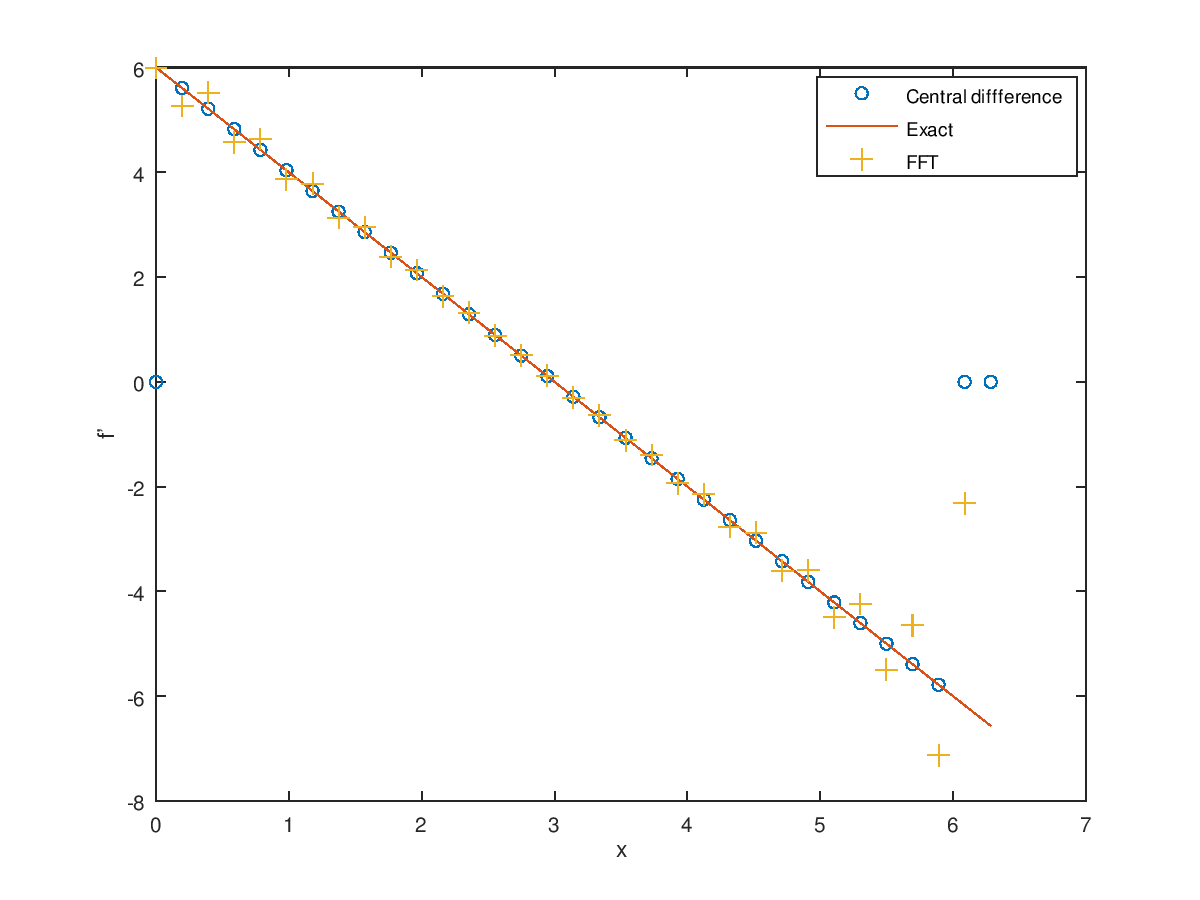


B.2

N=16



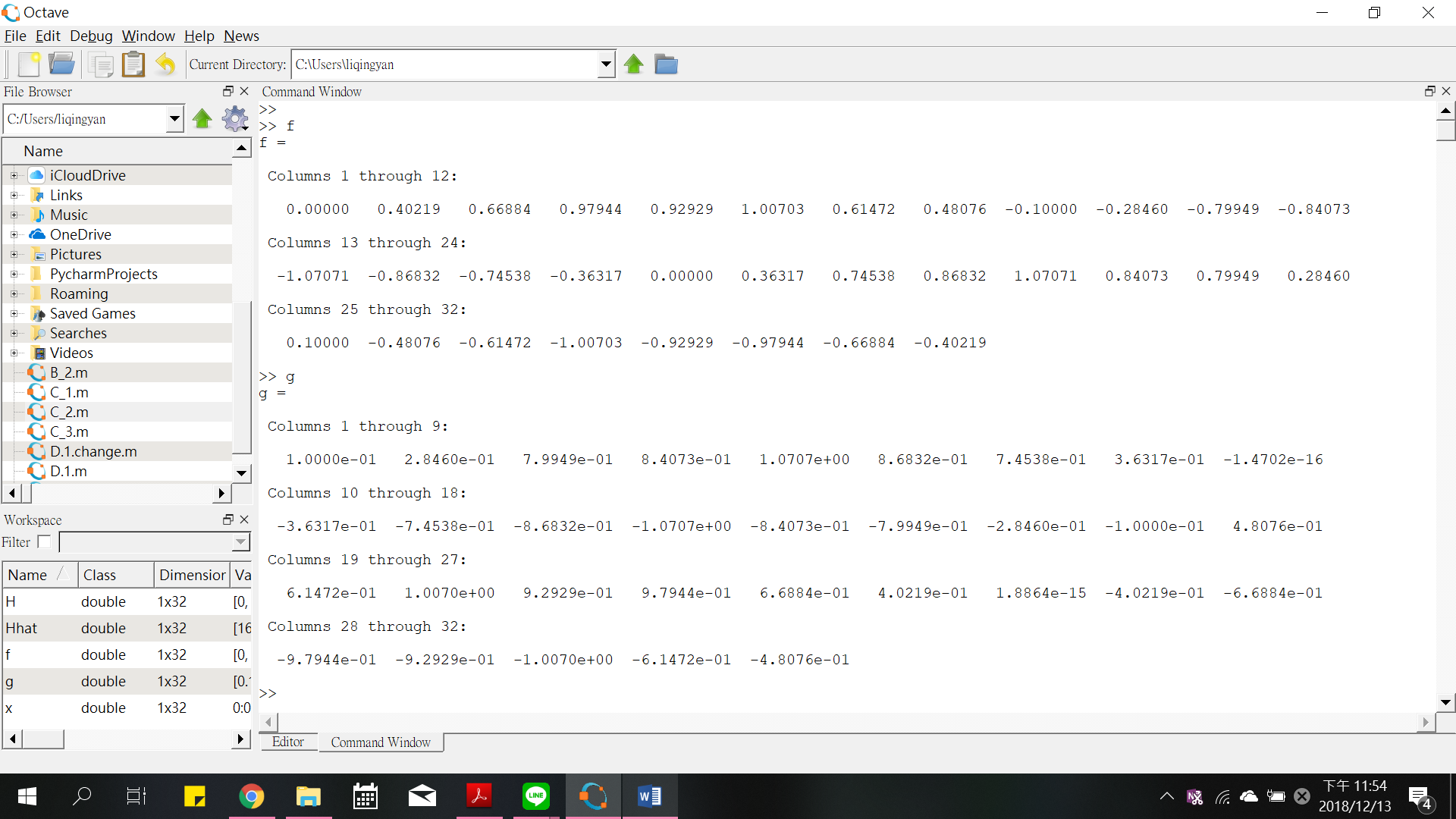
N=32

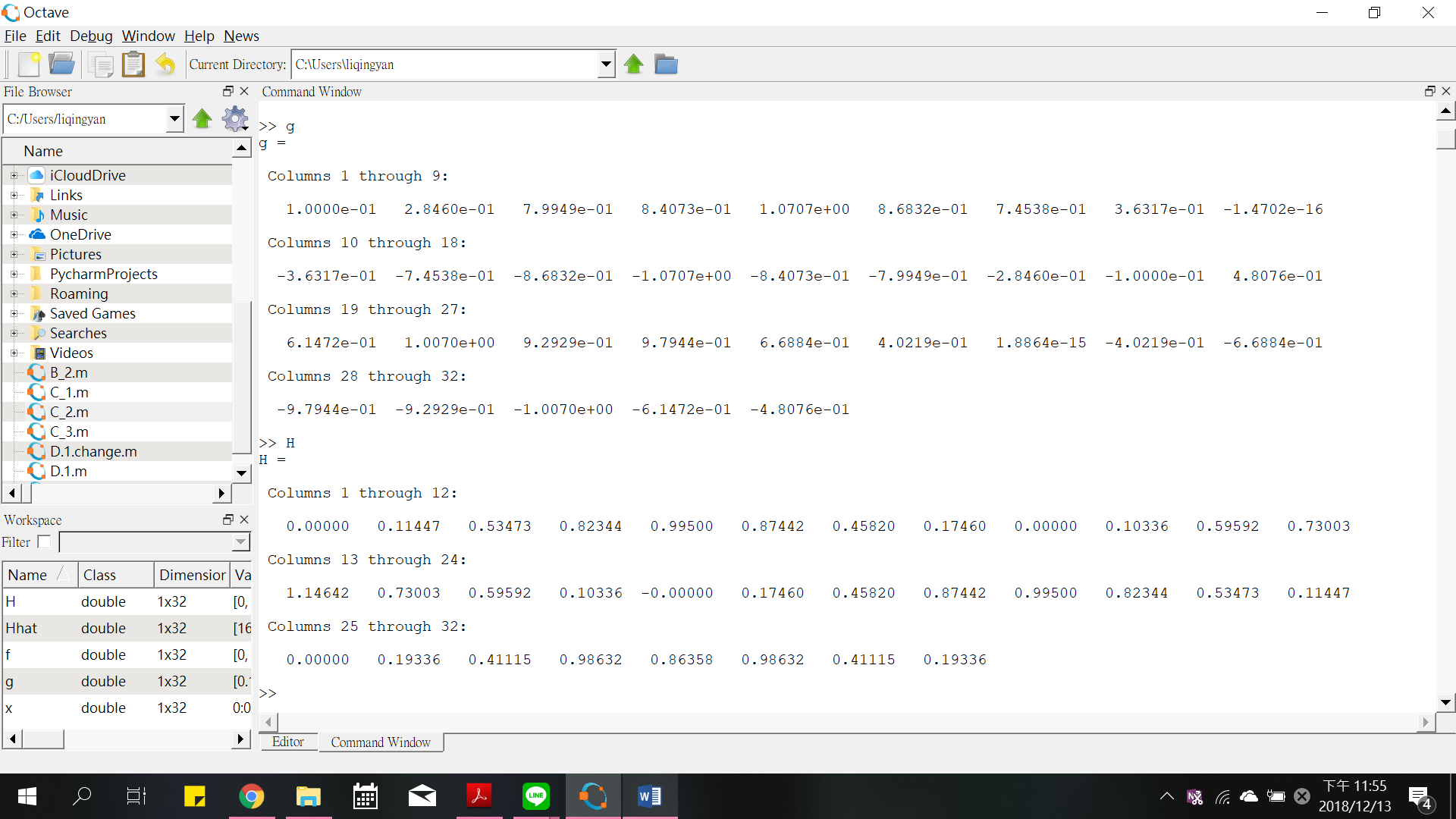


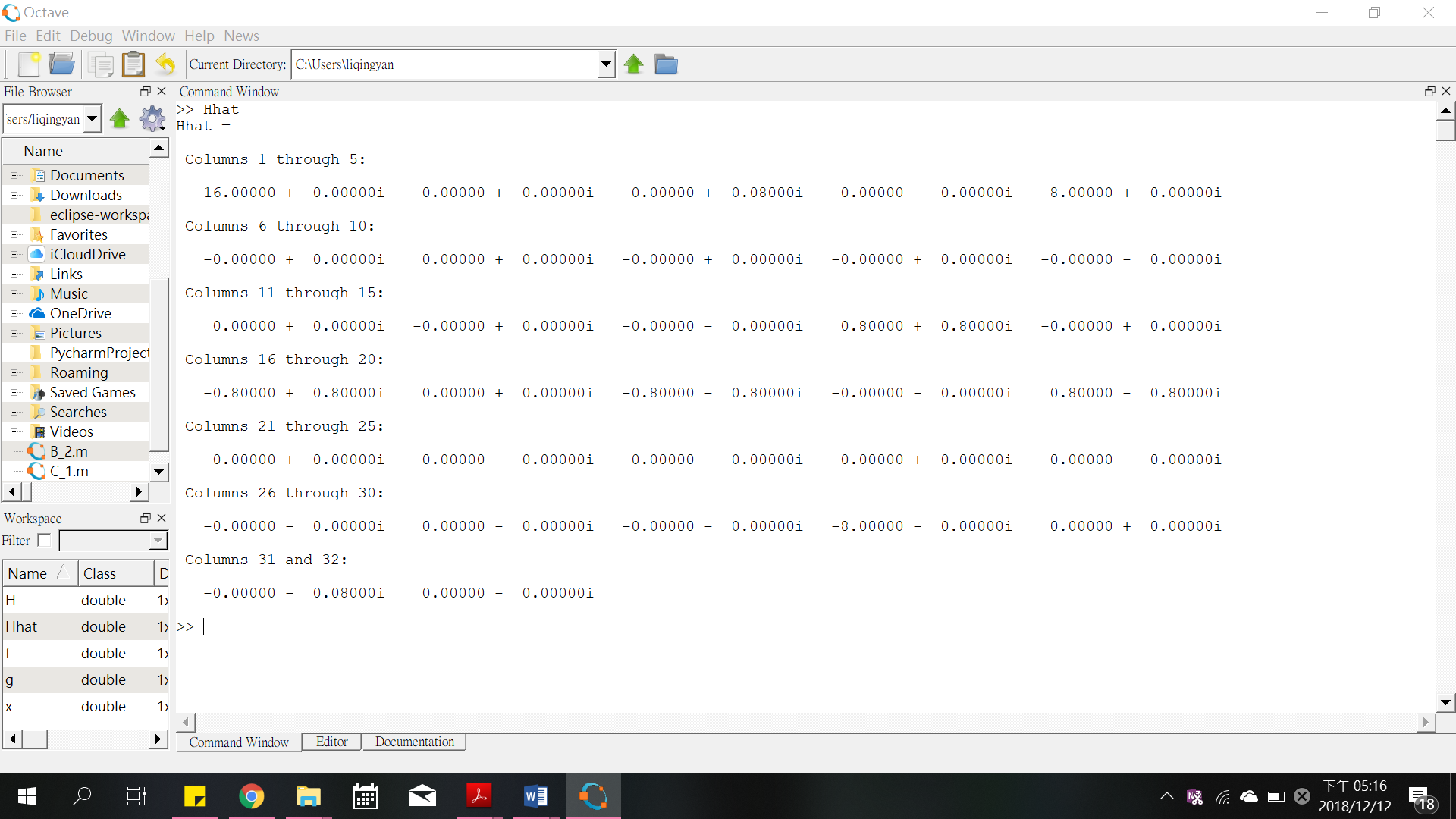
B.1的f微分後為週期性函數，所以用FFT會比較準確。

B.2的f微分後是線性，所以central difference 會沒有誤差。

C.1

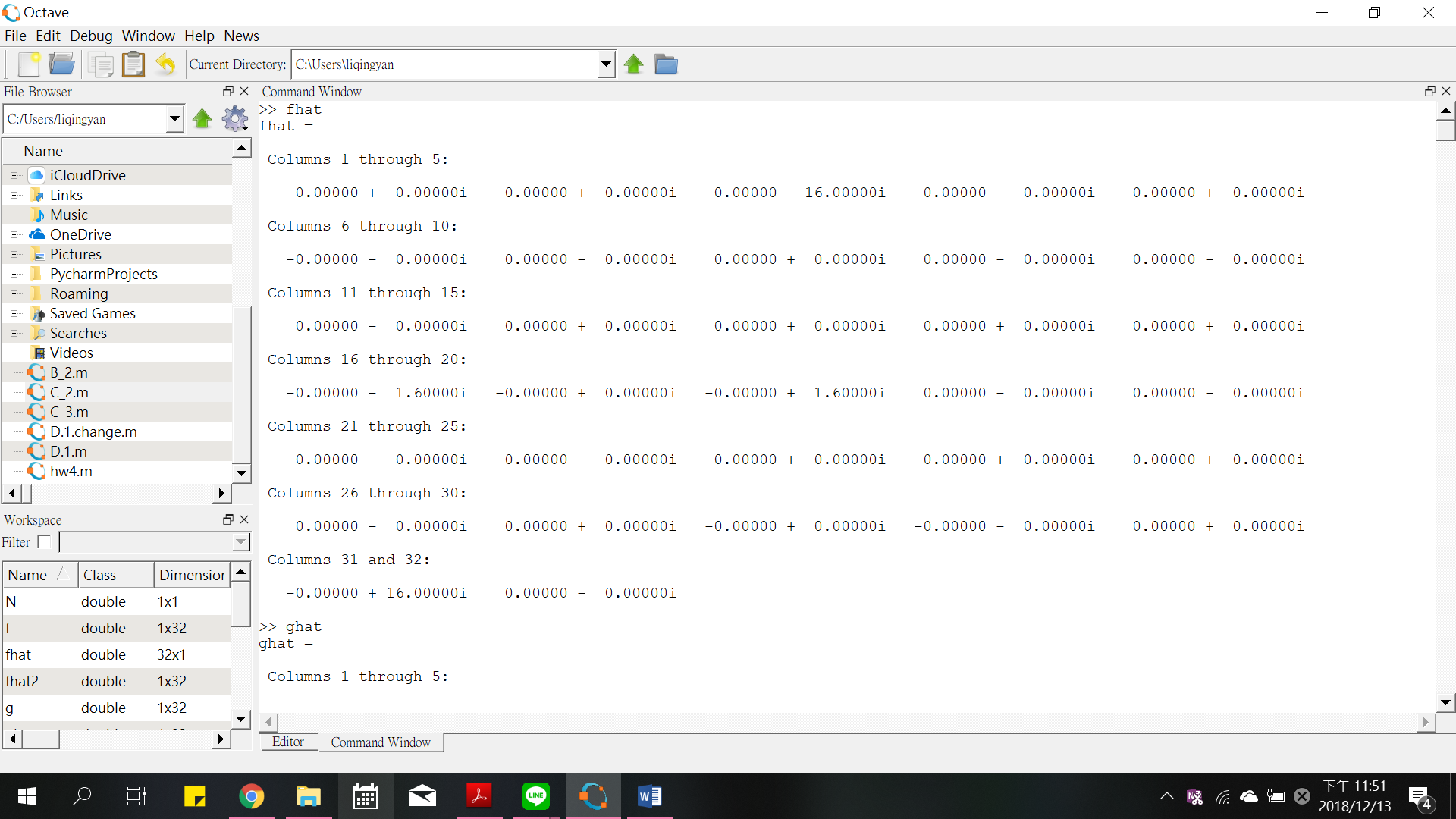


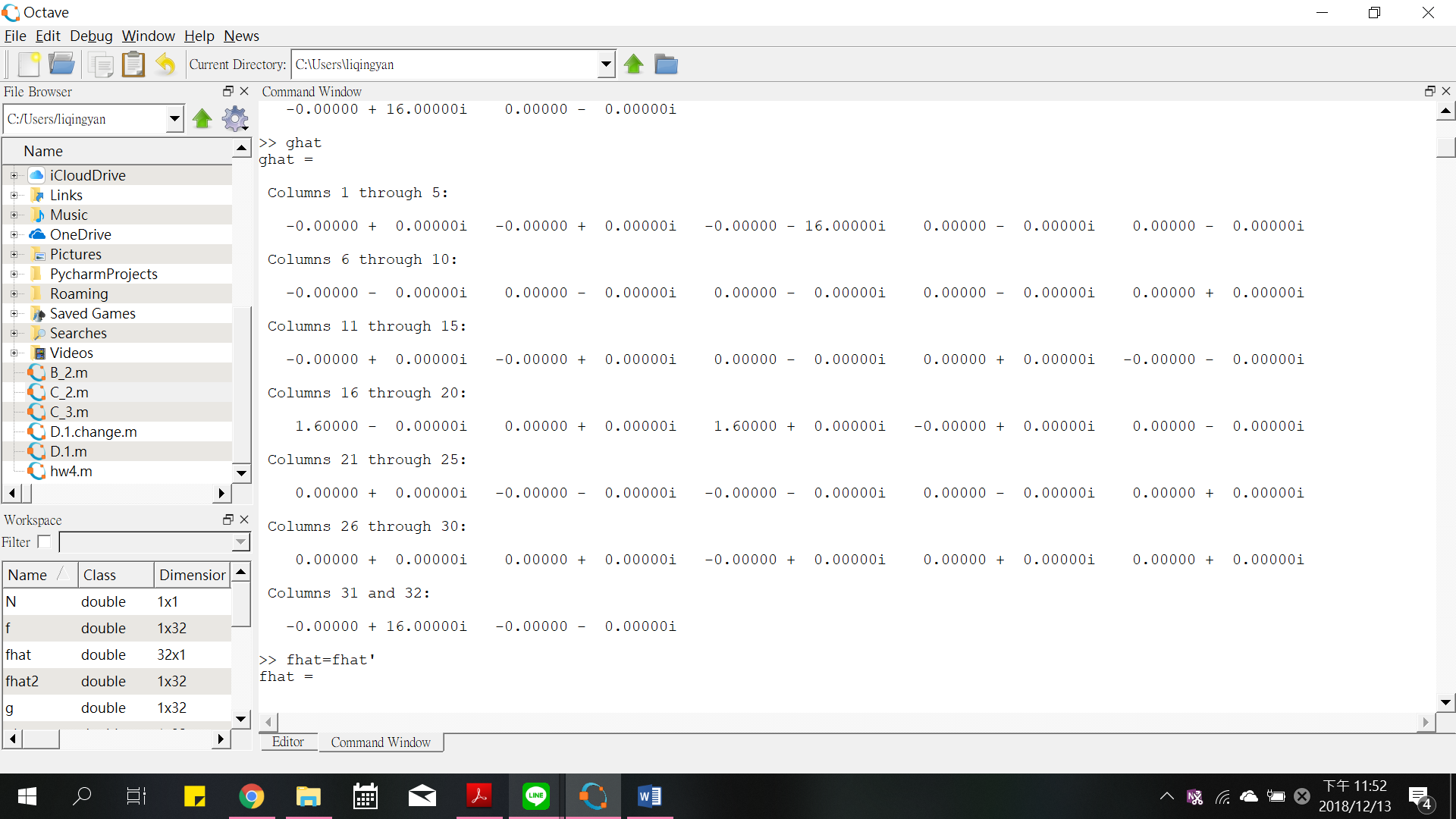


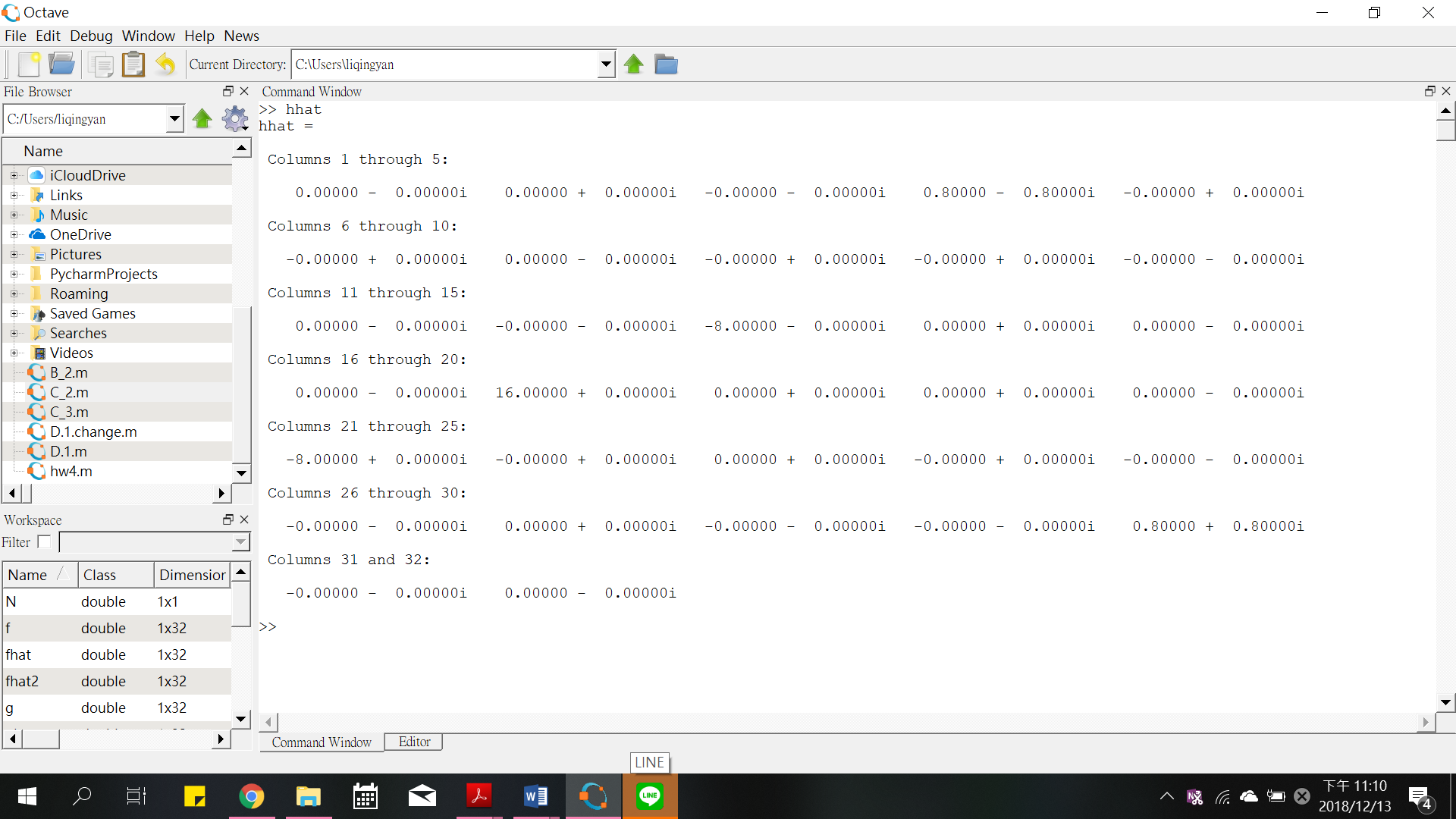


Real function:

C.2

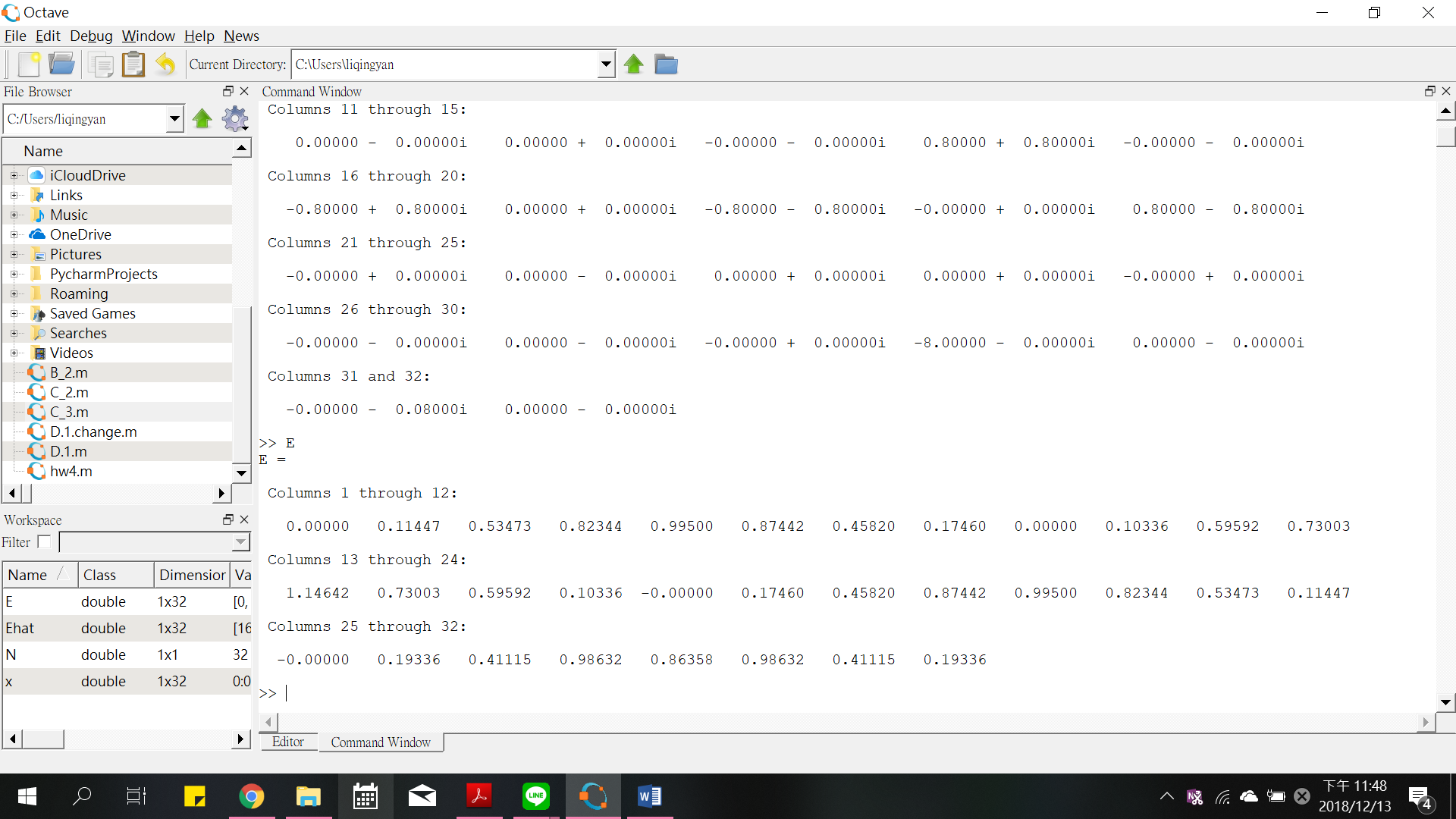


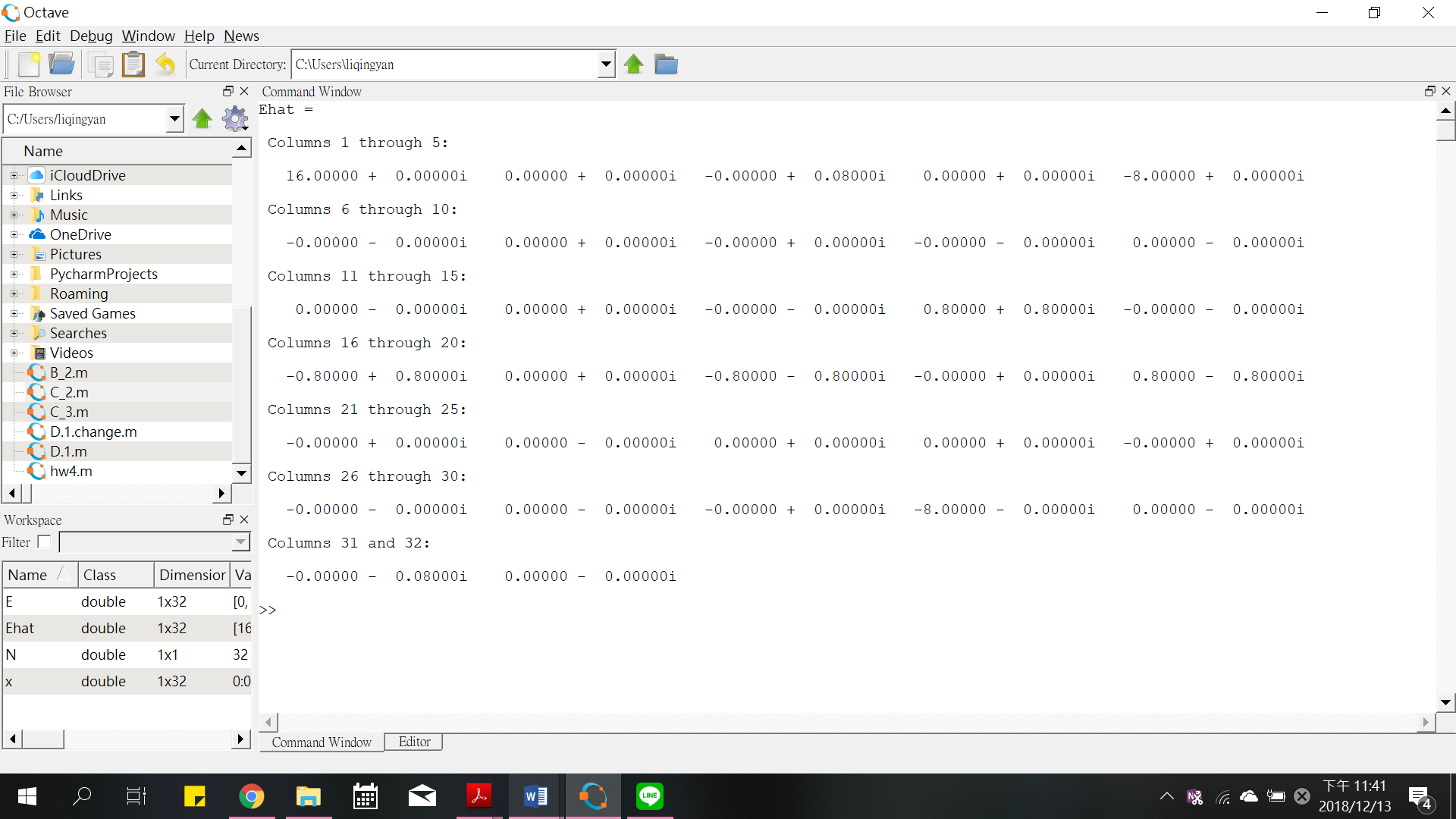




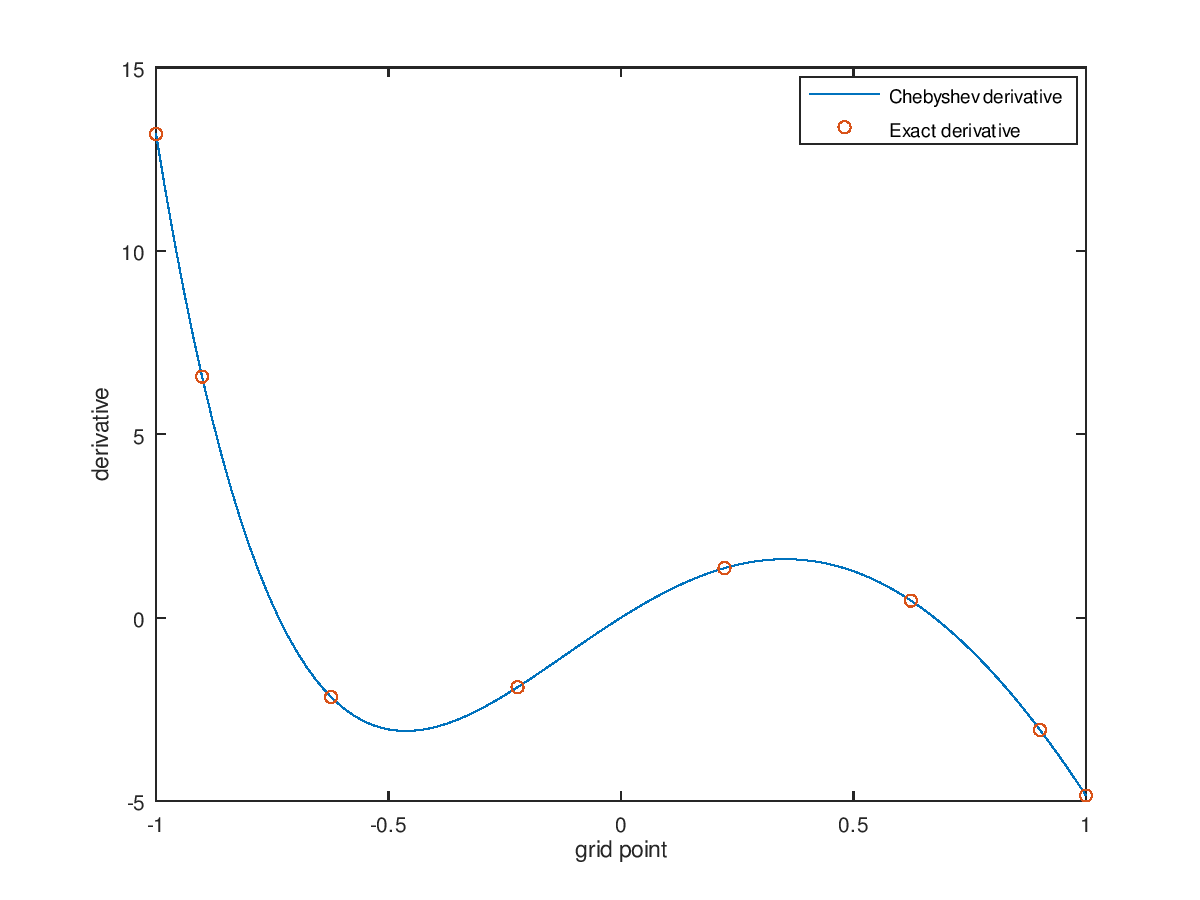
Real function:

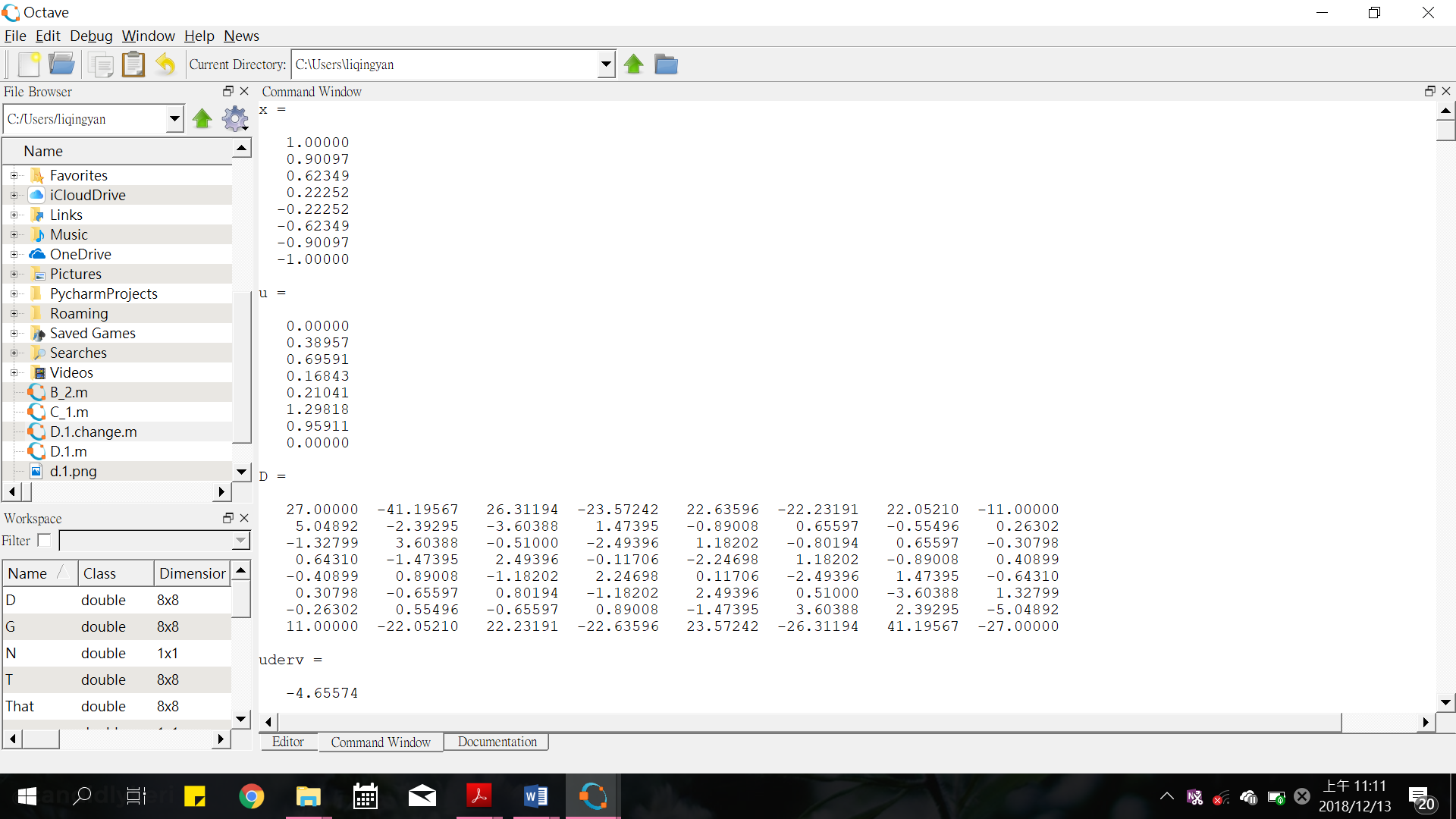
C.3

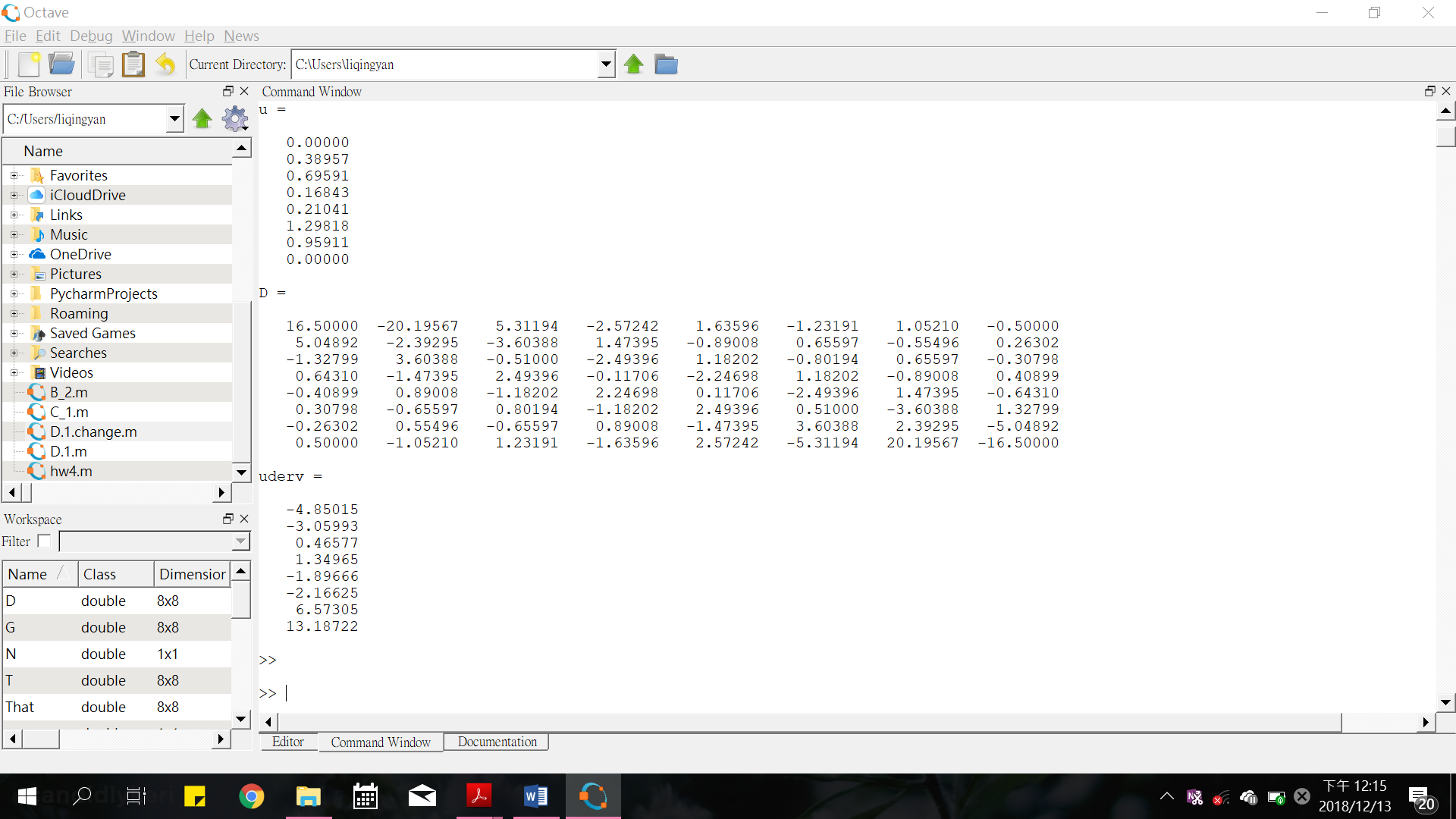




D.1







D.2

