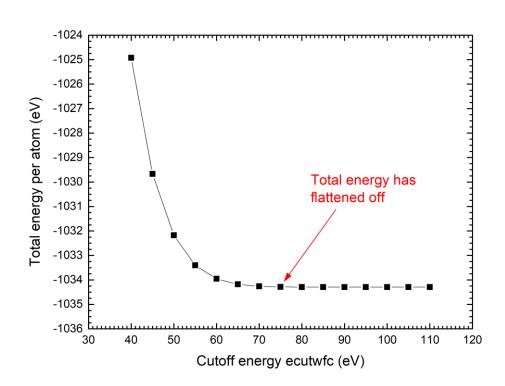
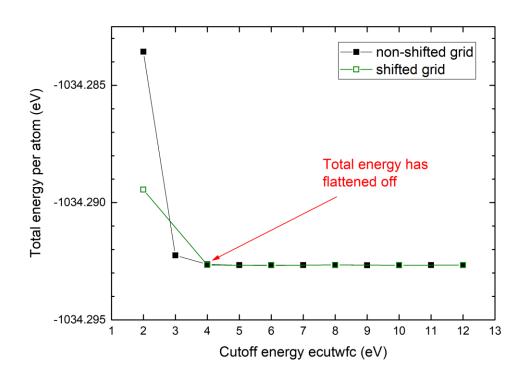
Solutions for excercise sheet 1

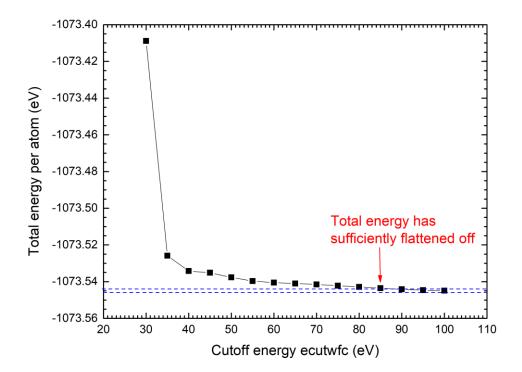
Exercise 1: Convergence test on magnesia (MgO)

(a)



(b) & (c)

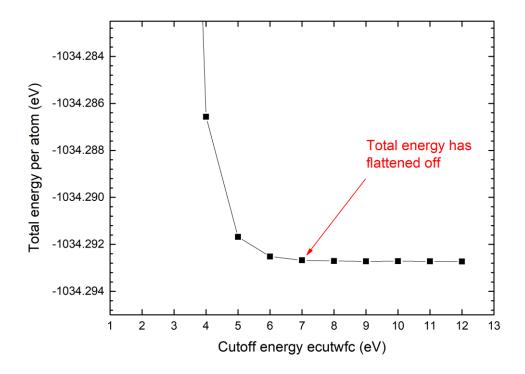




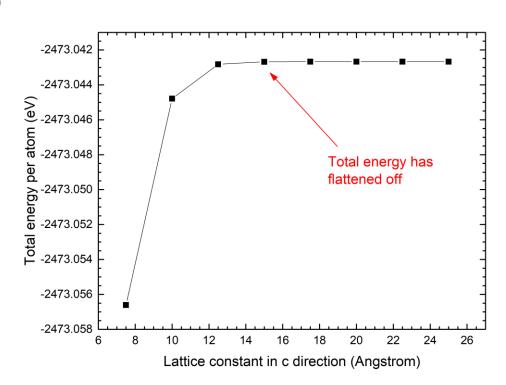
	ecutrho=4x ecutwfc	ecutrho=8x ecutwfc	ecutrho=12x ecutwfc
ecutwfc=85.0 Ry	-1073.5436 eV	-1073.54359 eV	-1073.54357 eV

The choice of 8x ecutwfc made sense, one could have even used less (but this is usually not the case)

(e)



(a)



(b)

