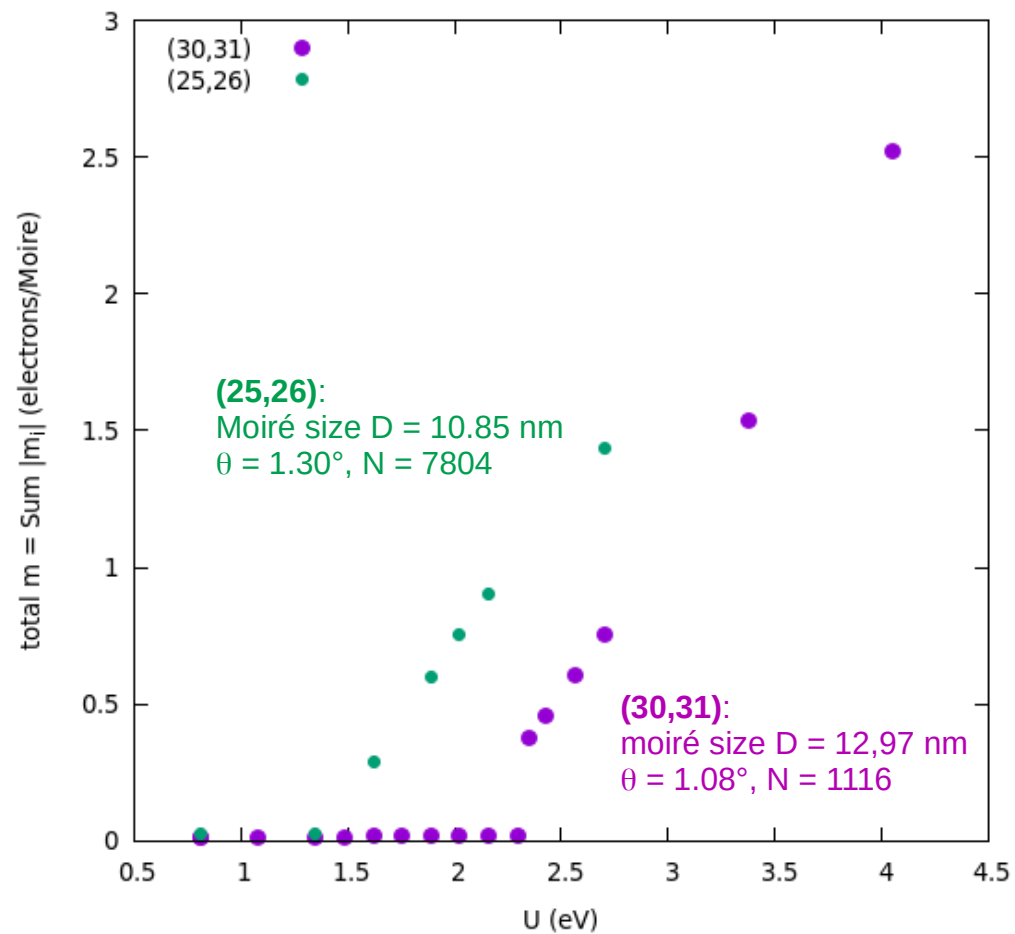
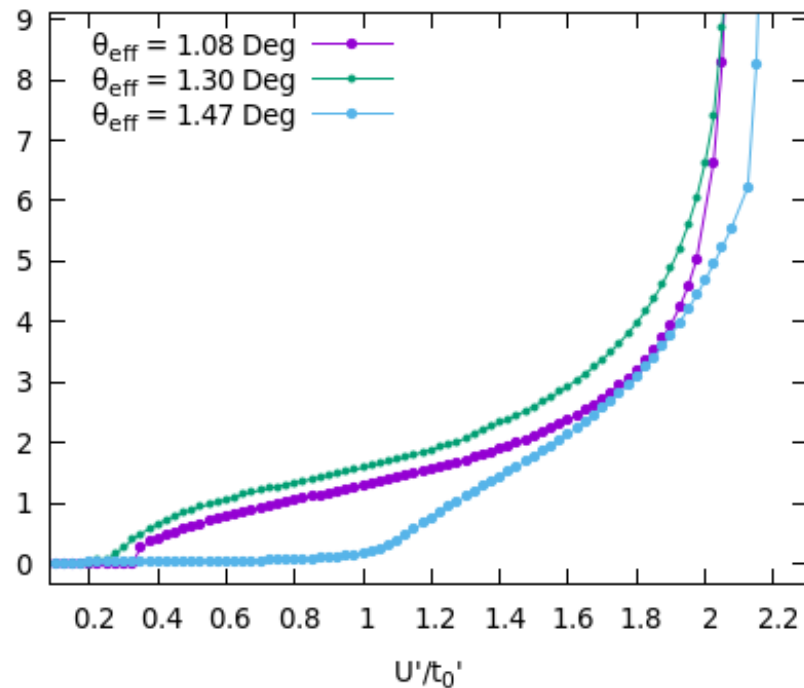
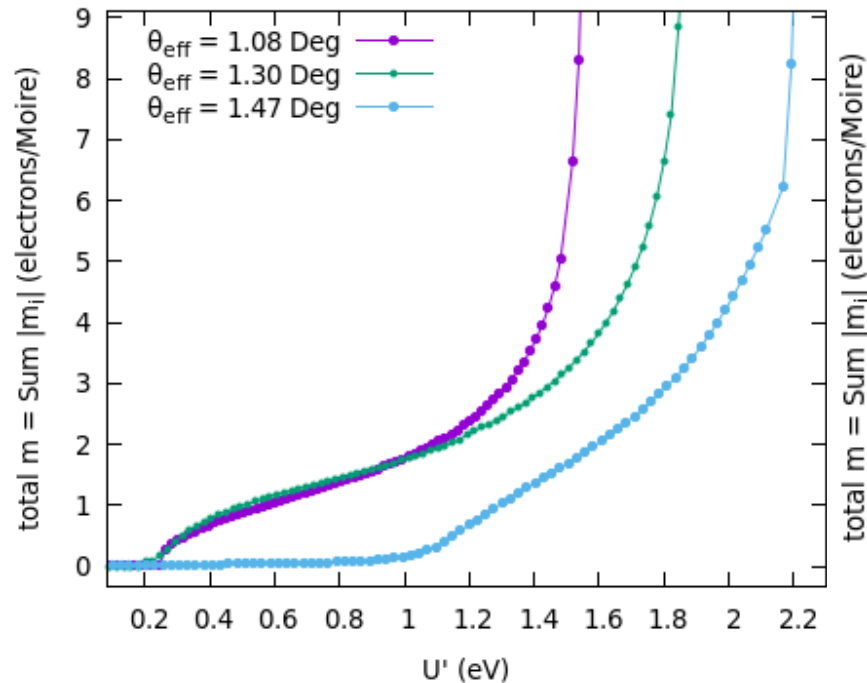


MFT (AF solution) (k-grid 9x9)

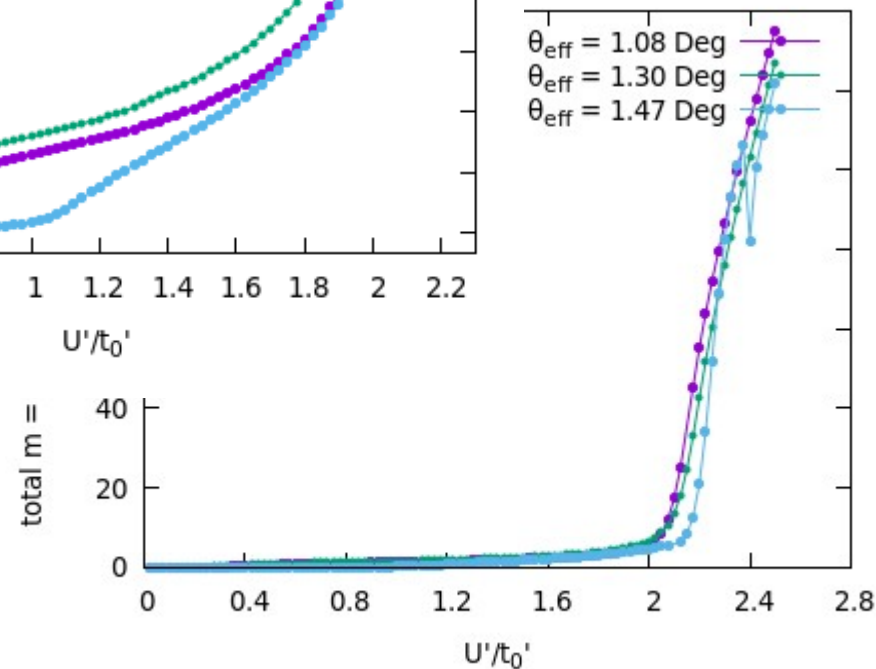


MFT (AF solution) (k-grid 9x9)



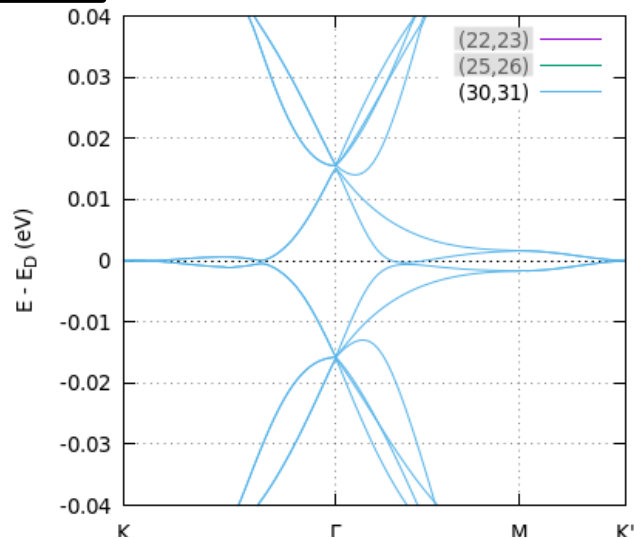
Rescaled from (8,9) $\theta = 3.89^\circ$:

- $\theta_{\text{eff}} = 1.08^\circ$, $t_0' = 0.75$ eV
- $\theta_{\text{eff}} = 1.30^\circ$, $t_0' = 0.90$ eV
- $\theta_{\text{eff}} = 1.47^\circ$, $t_0' = 1.02$ eV

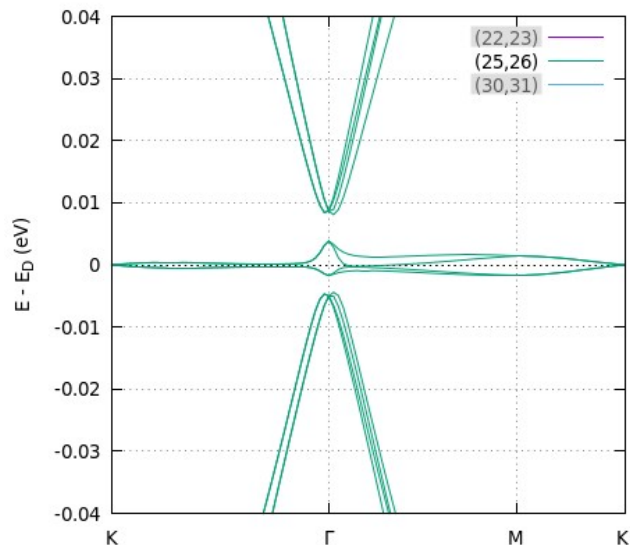


unscaled
 $U=0$

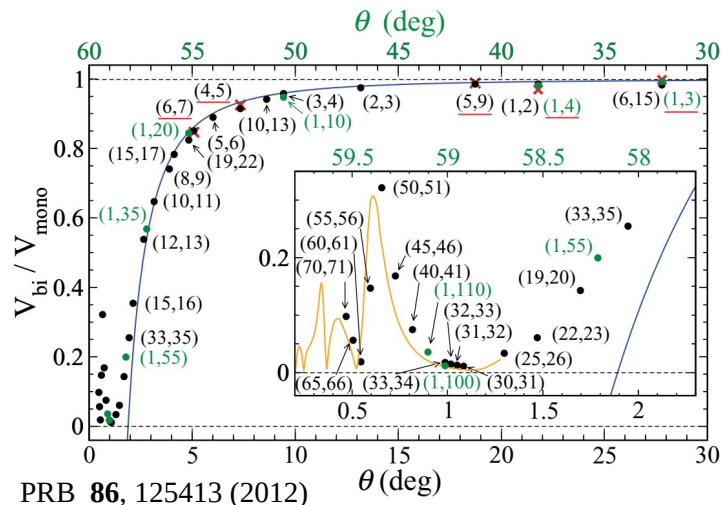
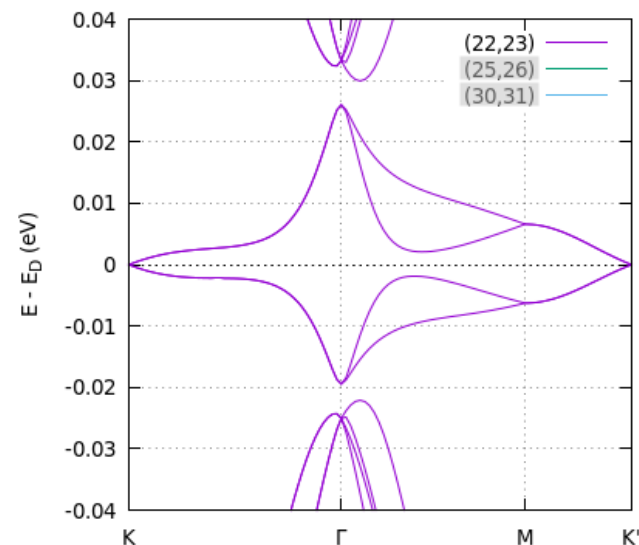
(30,31):
moiré size $D = 12,97$ nm
 $\theta = 1.08^\circ$, $N = 11164$



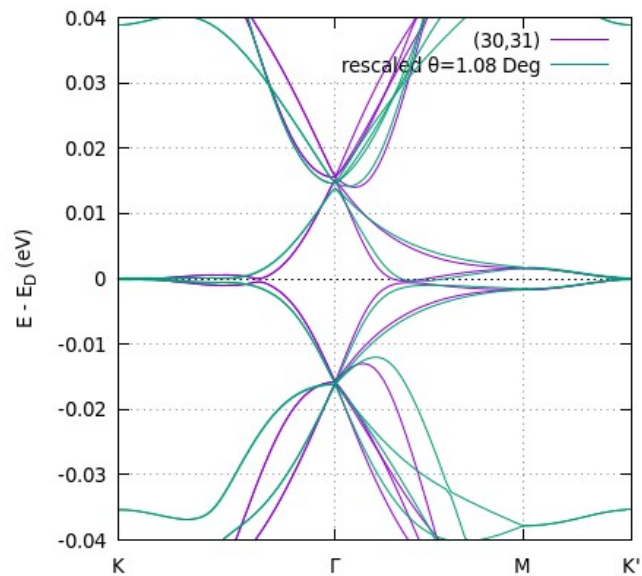
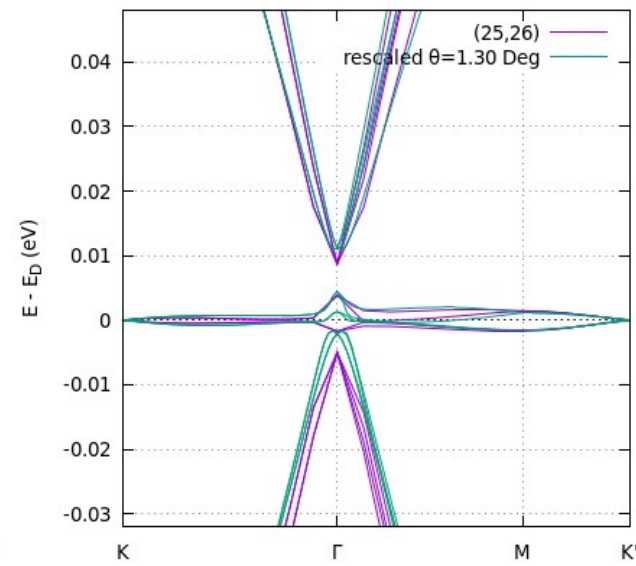
(25,26):
Moiré size $D = 10.85$ nm
 $\theta = 1.30^\circ$, $N = 7804$



(22,23):
moiré size $D = 9.57$ nm
 $\theta = 1.47^\circ$, $N = 6076$



- For (25,26) and (22,23) the 4 flat bands are isolated by minigaps
- **Slope of $E(k)$ at K (30,31) < Slope of $E(k)$ at K (25,26),**
But the energy dispersion of (25,26) 4 flat bands is smaller
- I think that the **average velocity of the 4 flat bands** of (25,26) and (30,31) are similar (I have done the calculation but I need to check to be sure).

$U=0$ **(30,31):**moiré size $D = 12,97$ nm $\theta = 1.08^\circ$, $N = 11164$ **(25,26):**Moiré size $D = 10.85$ nm $\theta = 1.30^\circ$, $N = 7804$ **(22,23):**moiré size $D = 9.57$ nm $\theta = 1.47^\circ$, $N = 6076$ 