1 Benchmark week 10

1.1 SC30

1.1.1 Free delta

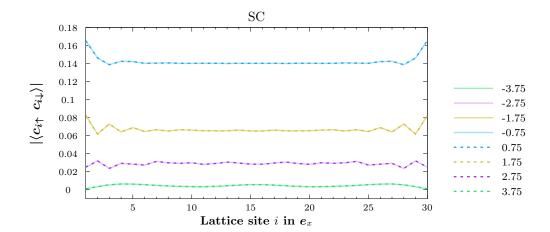


Figure 1: Real guess

1.1.2 Fixed phase on sides

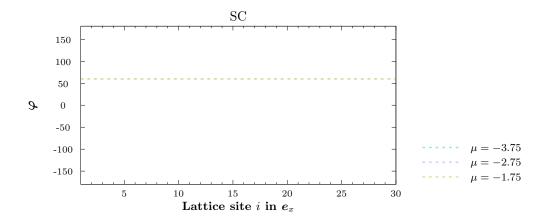


Figure 2: Phase on side $\varphi_0 = \pi/3$

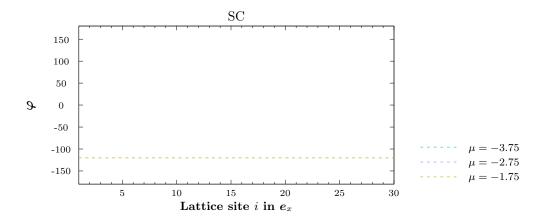


Figure 3: Phase on side $\varphi_0 = -2\pi/3$

$1.1.3 \quad {\rm Phase gradient~of~117~deg}$

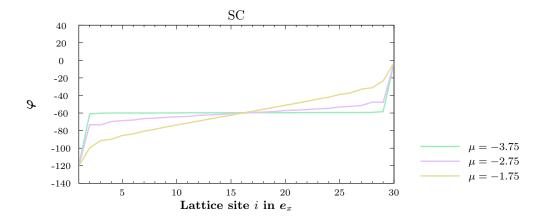


Figure 4: Phase on side $\varphi_0 = -2\pi/3$ and gradient of 117deg

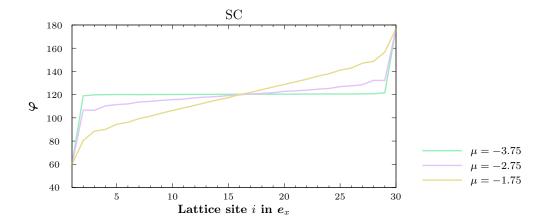


Figure 5: Phase on side $\varphi_0 = \pi/3$ and gradient of 117deg

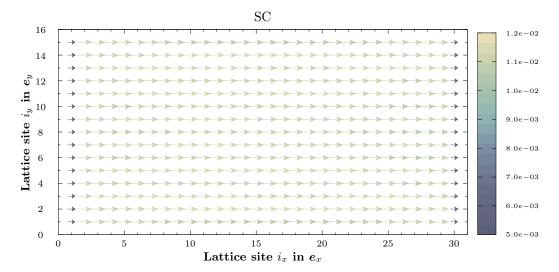


Figure 6: Current from a phase gradient of 117deg at $\mu = -1.75$.

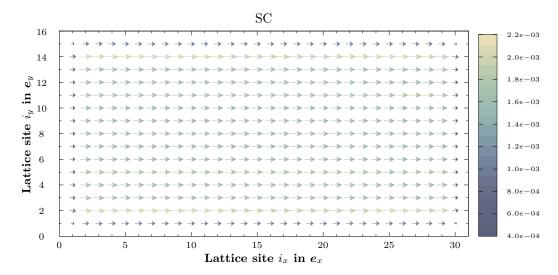


Figure 7: Current from a phase gradient of 117deg at $\mu = -2.75$.

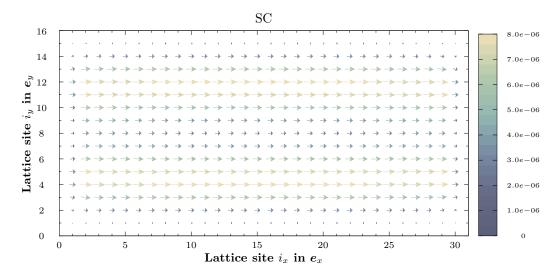


Figure 8: Current from a phase gradient of 117deg at $\mu = -3.75$.

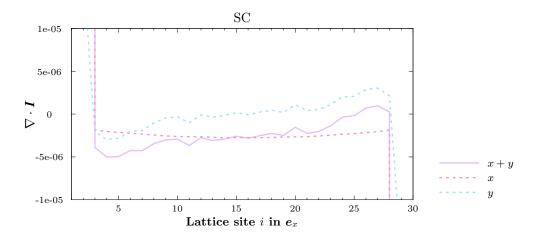


Figure 9: Continuity of the current from a phase gradient of 117deg at $\mu = -1.75$. In both x and y direction as well as the total continuity.

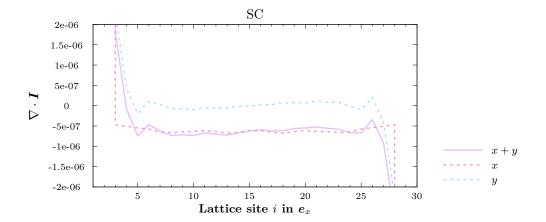


Figure 10: Continuity of the current from a phase gradient of 117deg at $\mu = -2.75$. In both x and y direction as well as the total continuity.

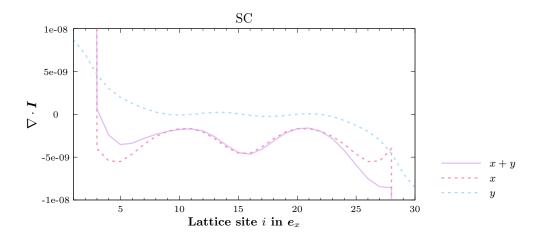


Figure 11: Continuity of the current from a phase gradient of 117deg at $\mu = -3.75$. In both x and y direction as well as the total continuity.

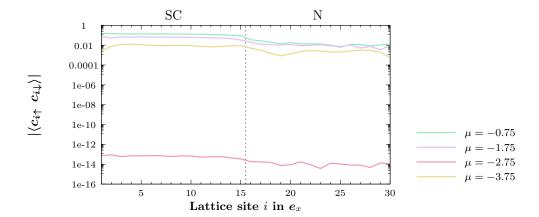


Figure 12: N with m=0.5 for different μ

3 SC15-FM15

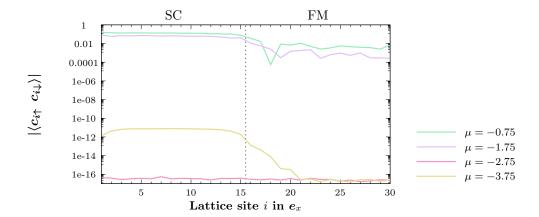


Figure 13: FM with m=0.5 for different μ

4 SC15-AM15

4.0.1 Free delta

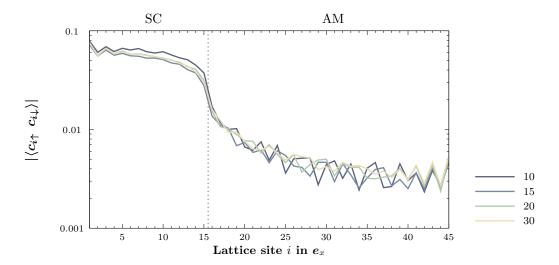


Figure 14: Comparation under different heights Ny for $\mu=-1.75$

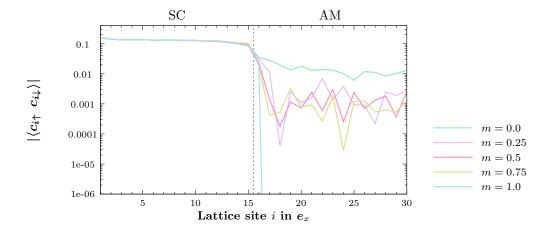


Figure 15: $\mu = -0.75$

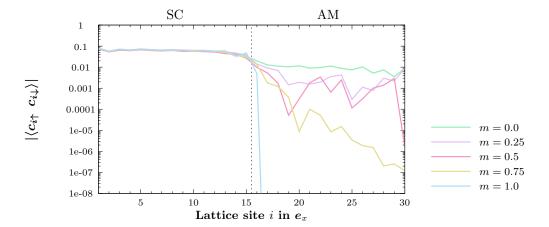


Figure 16: $\mu = -1.75$

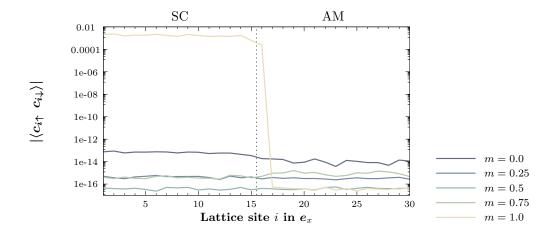


Figure 17: $\mu = -2.75$

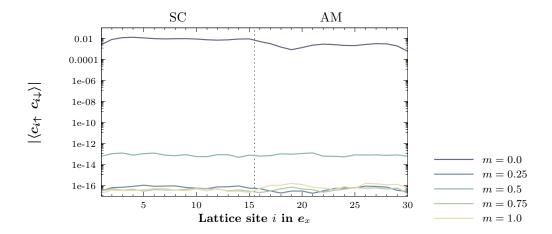


Figure 18: $\mu = -3.75$

4.1 SC12-AM6-SC12

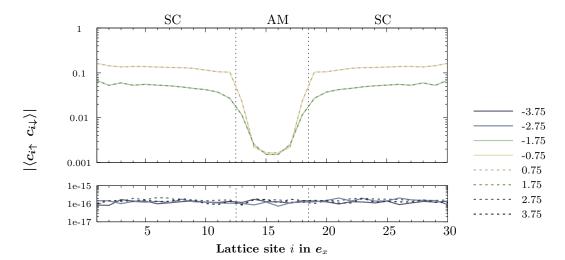


Figure 19: $\mu = -3.75$

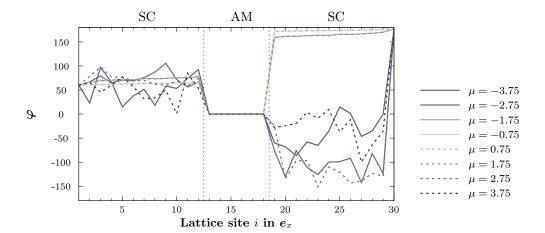


Figure 20: $\mu = -3.75$

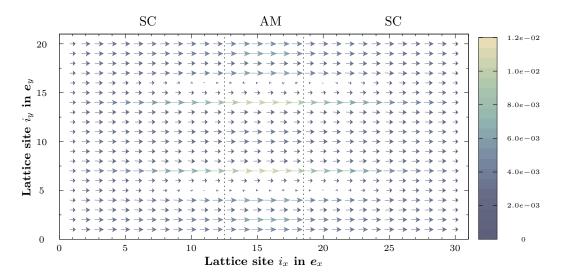


Figure 21: $\mu = -1.75$

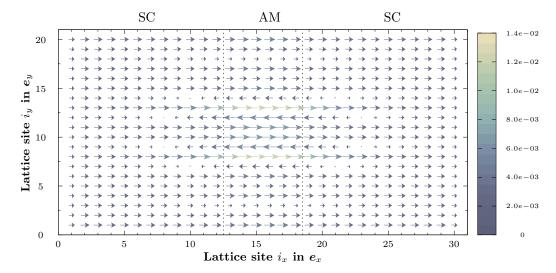


Figure 22: $\mu = -0.75$

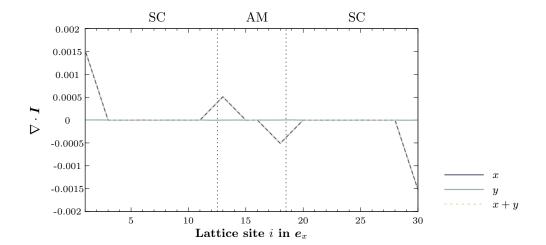


Figure 23: $\mu = -1.75$

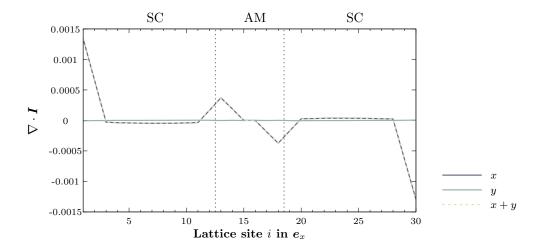


Figure 24: $\mu = -0.75$

5 D WAVE

5.1 SC30

We use the vertical periodic boundary condition as well as an high of 15 sites.

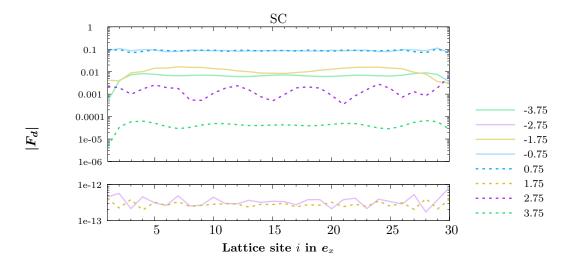


Figure 25: D wave with free delta and real Δ_d