1 Benchmark week 10

1.1 SC30

1.1.1 Free delta

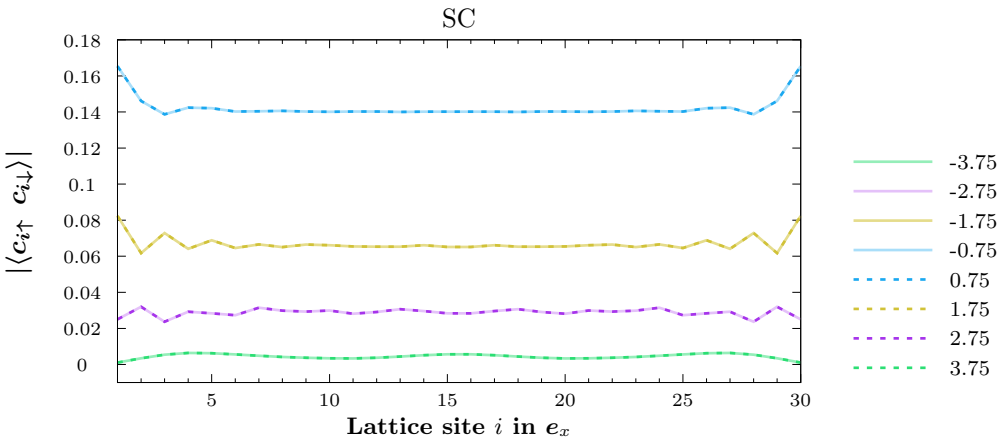

Figure 1: Real guess

1.1.2 Fixed phase on sides

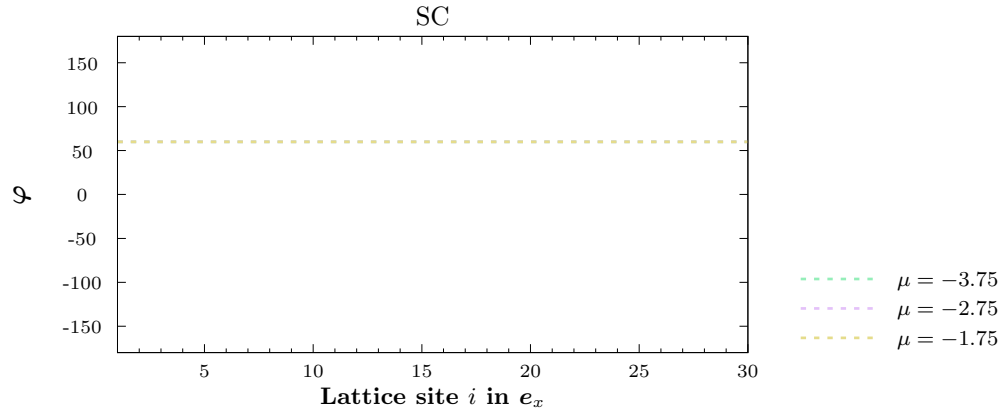

Figure 2: Phase on side $\varphi_0 = \pi/3$

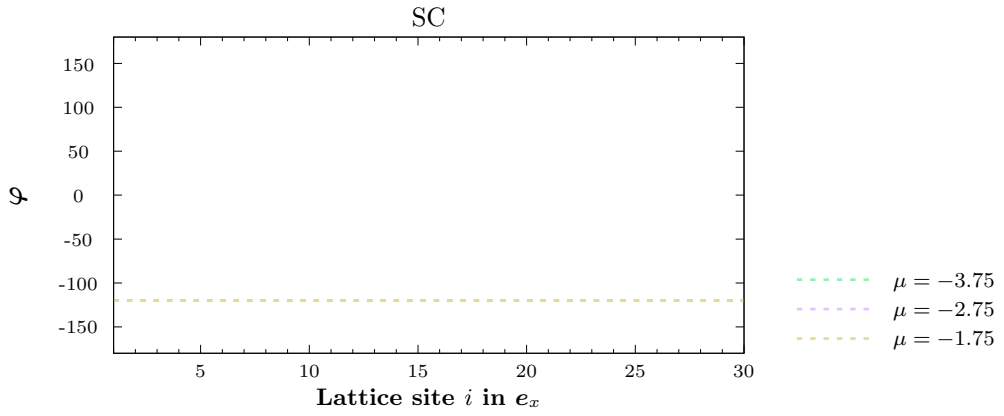

Figure 3: Phase on side $\varphi_0 = -2\pi/3$

1.1.3 Phasegradient of 117 deg

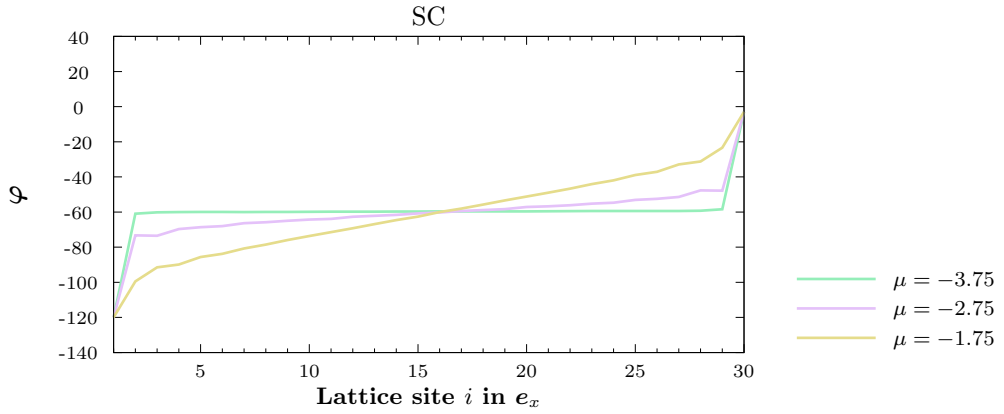

Figure 4: Phase on side $\varphi_0 = -2\pi/3$ and gradient of 117deg

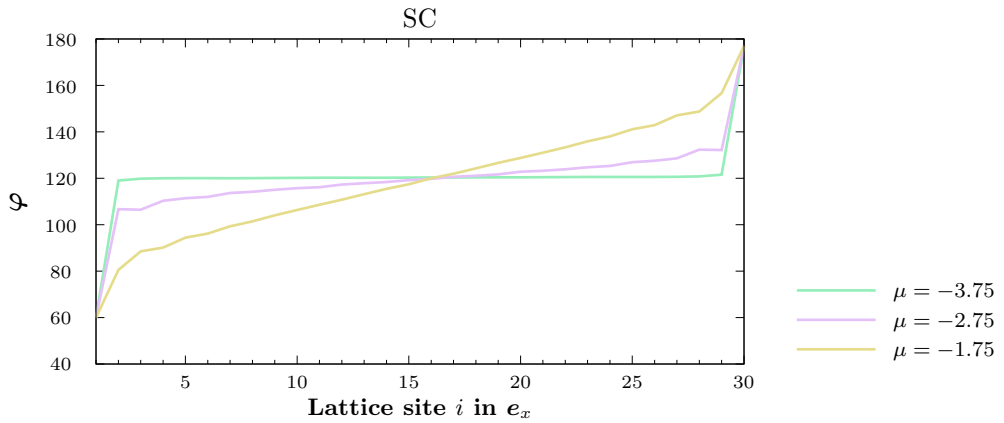

Figure 5: Phase on side $\varphi_0 = \pi/3$ and gradient of 117deg

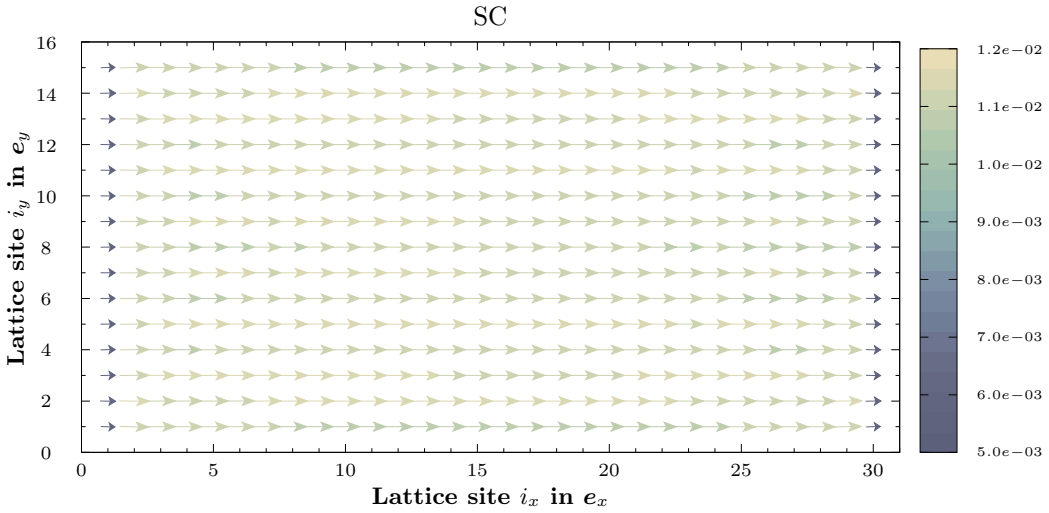

Figure 6: Current from a phase gradient of 117deg at $\mu = -1.75$.

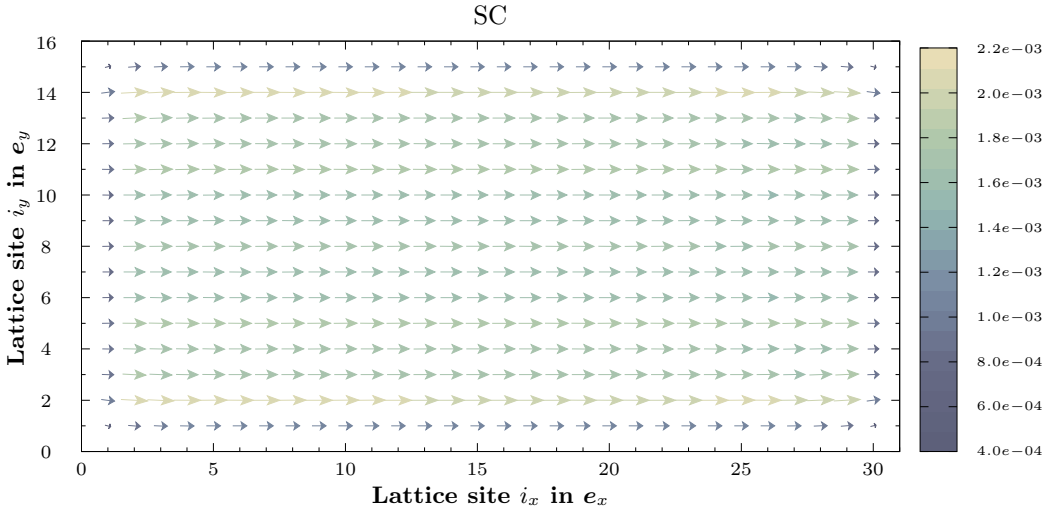

Figure 7: Current from a phase gradient of 117deg at $\mu = -2.75$.

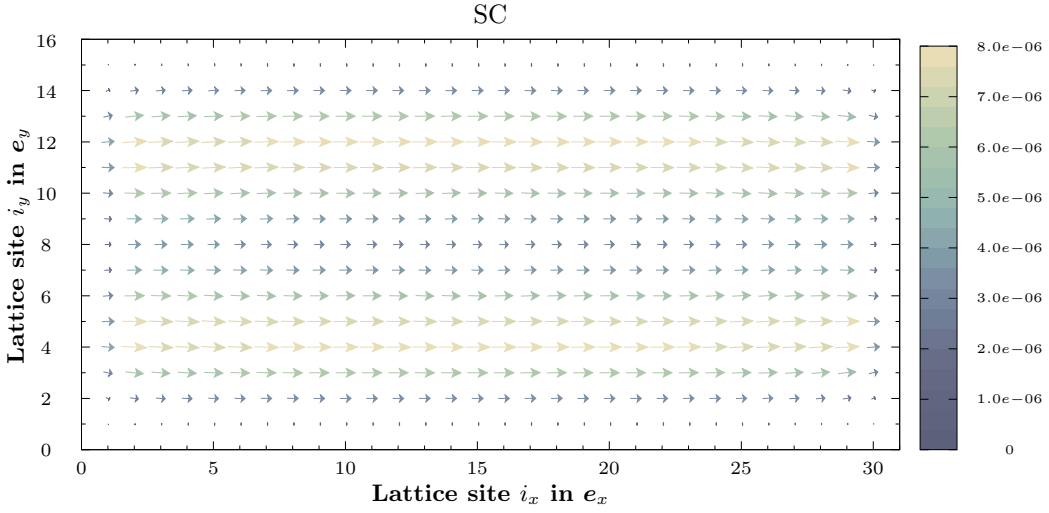

Figure 8: Current from a phase gradient of 117deg at $\mu = -3.75$.

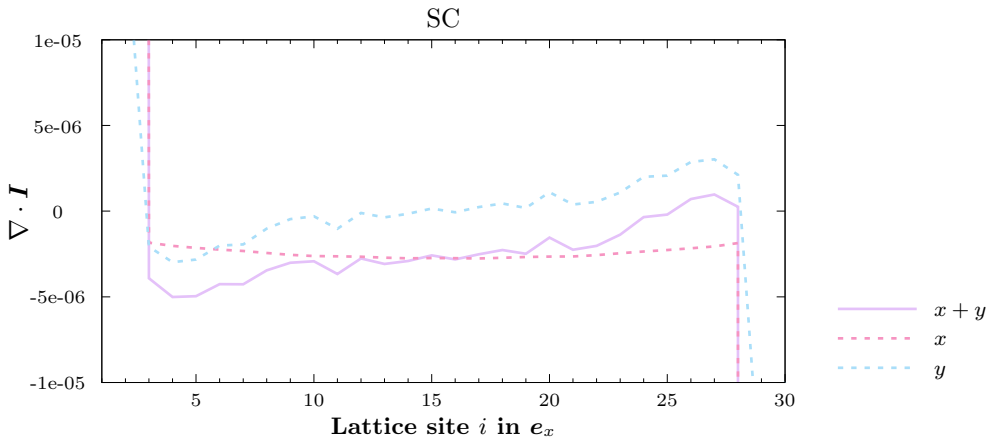

Figure 9: Continuity of the current from a phase gradient of 117deg at $\mu = -1.75$. In both x and y direction as well as the total continuity.

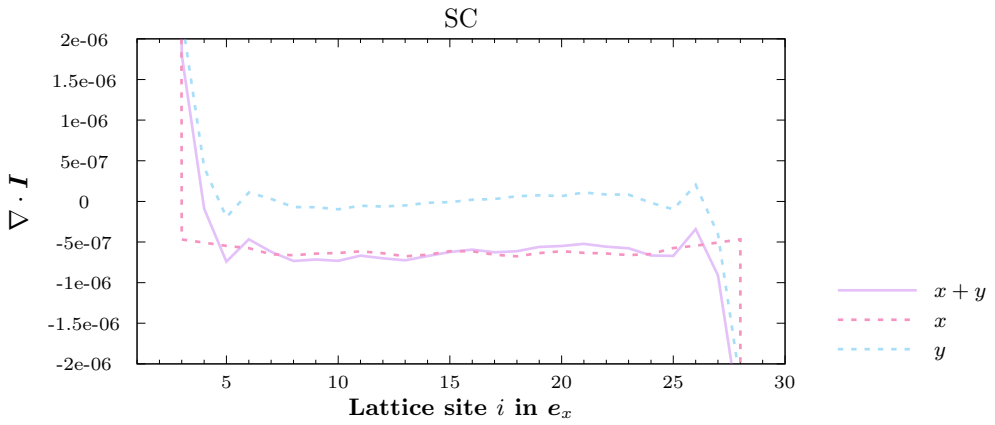

Figure 10: Continuity of the current from a phase gradient of 117deg at $\mu = -2.75$. In both x and y direction as well as the total continuity.

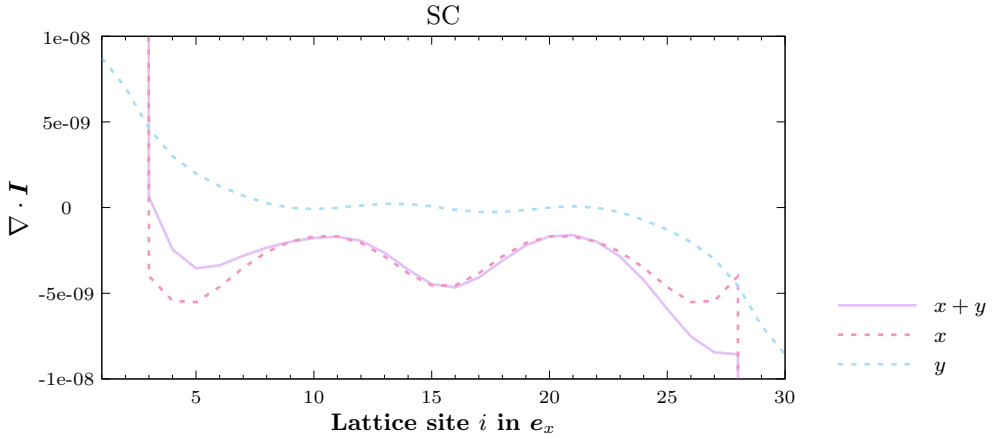

Figure 11: Continuity of the current from a phase gradient of 117deg at $\mu = -3.75$. In both x and y direction as well as the total continuity.

2 SC15-N15

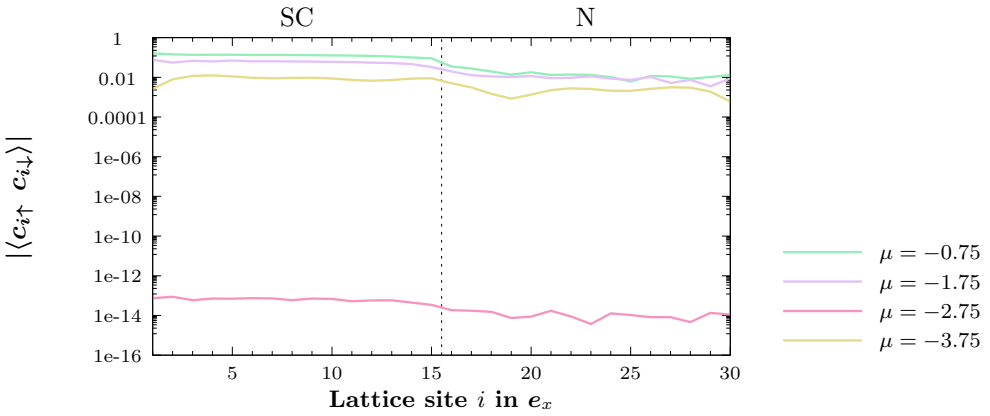

Figure 12: N with $m = 0.5$ for different μ

3 SC15-FM15

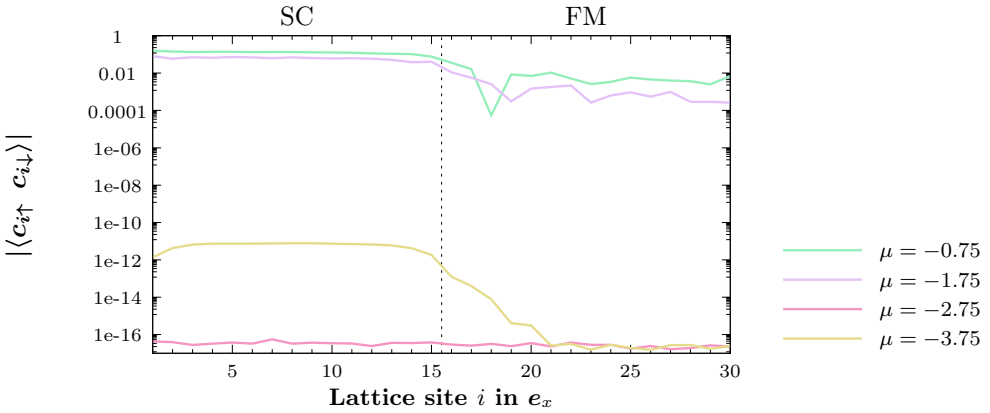

Figure 13: FM with $m = 0.5$ for different μ

4 SC15-AM15

4.0.1 Free delta

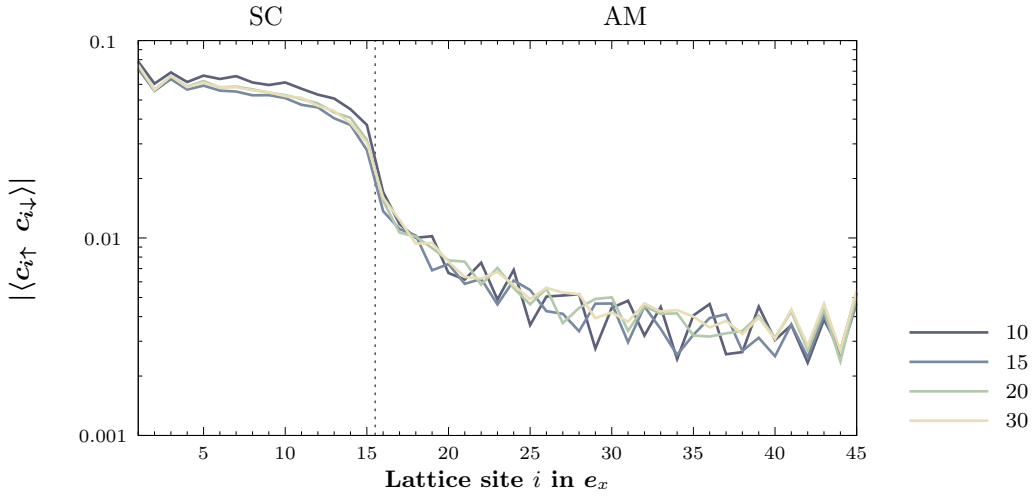

Figure 14: Comparation under different heights Ny for $\mu = -1.75$

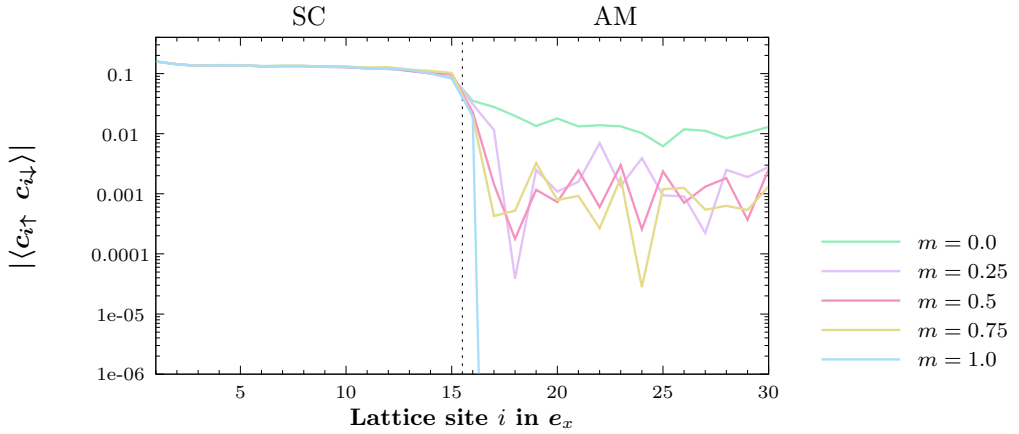

Figure 15: $\mu = -0.75$

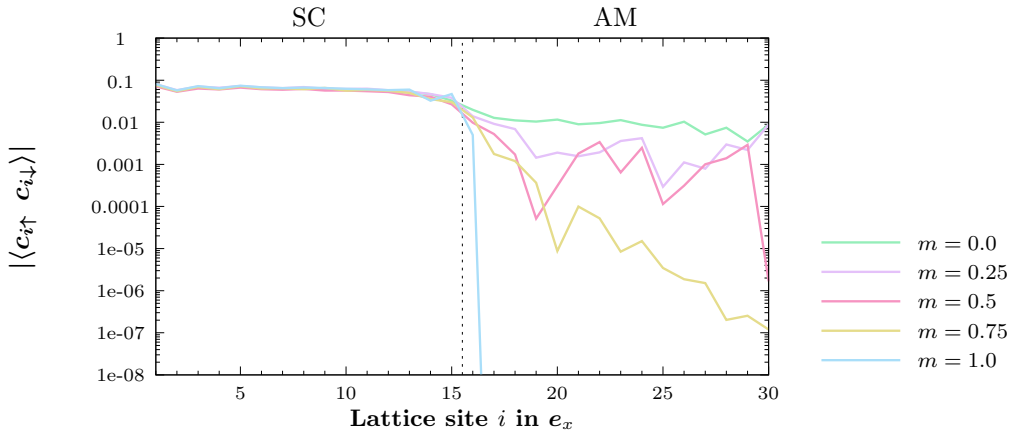

Figure 16: $\mu = -1.75$

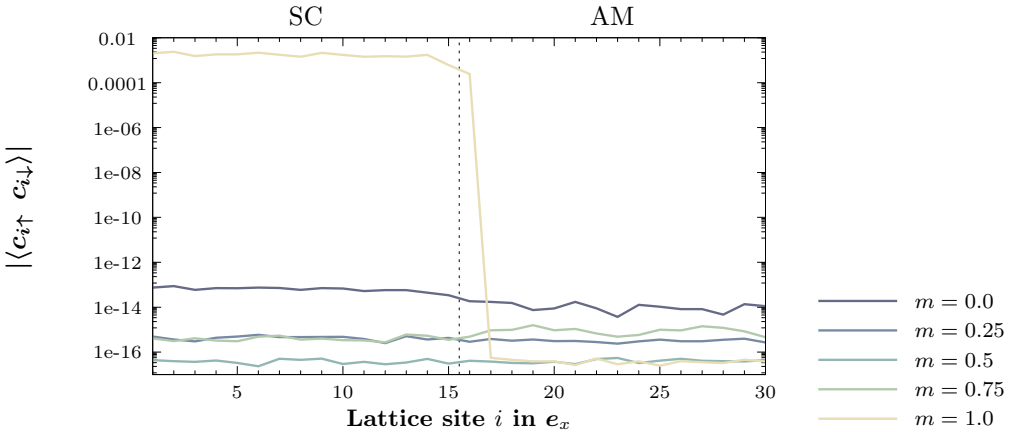

Figure 17: $\mu = -2.75$

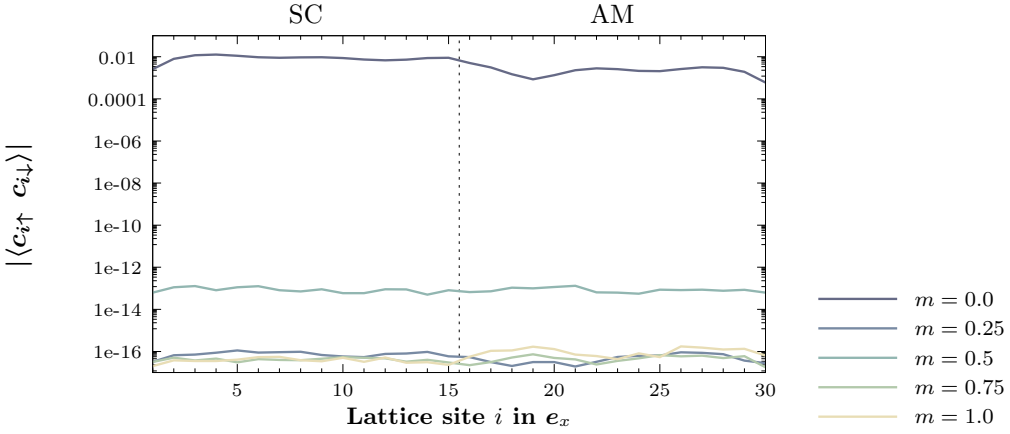

Figure 18: $\mu = -3.75$

4.1 SC12-AM6-SC12

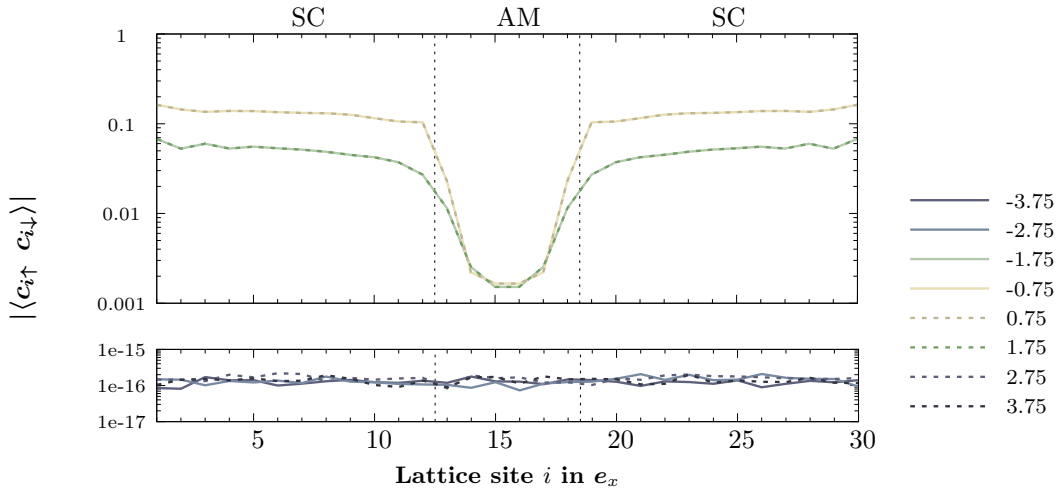

Figure 19: $\mu = -3.75$

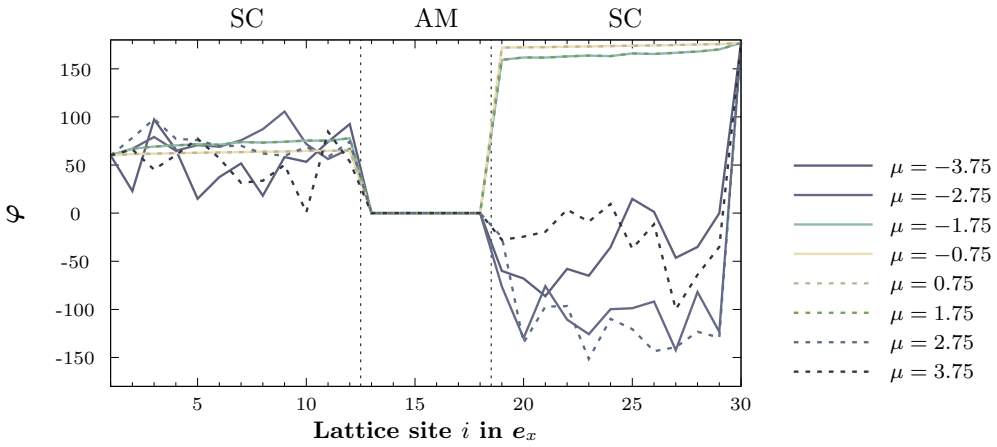

Figure 20: $\mu = -3.75$

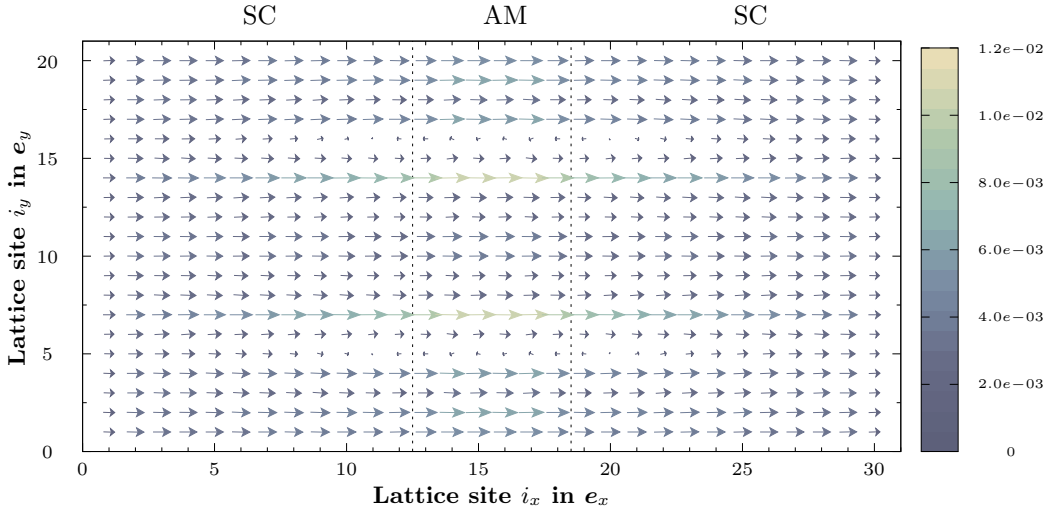

Figure 21: $\mu = -1.75$

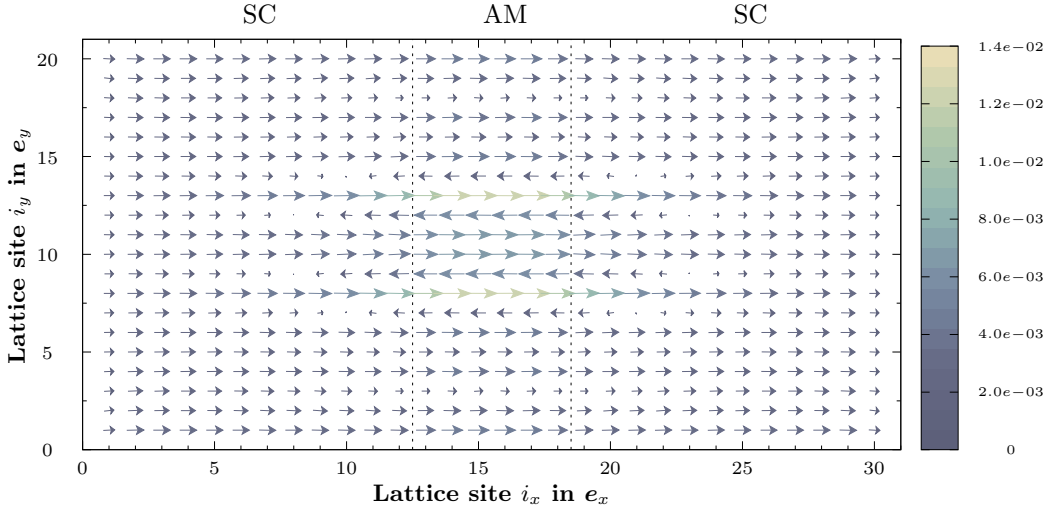

Figure 22: $\mu = -0.75$

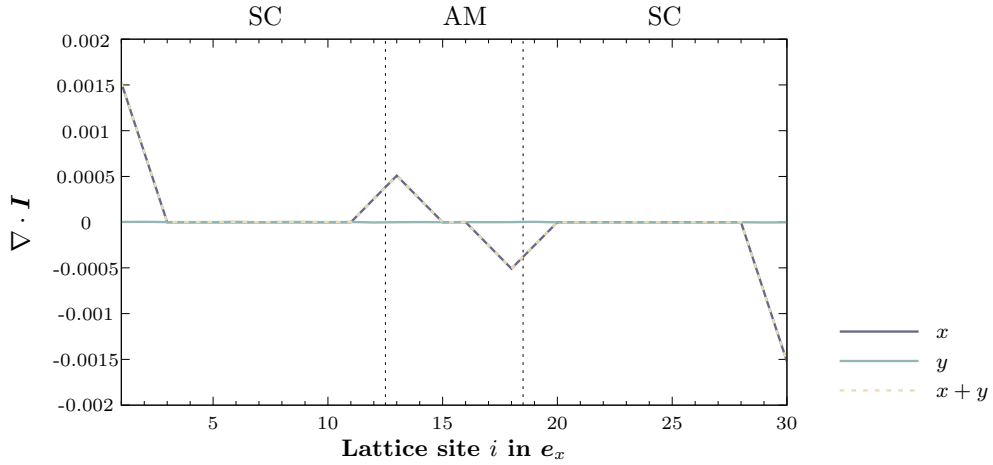

Figure 23: $\mu = -1.75$

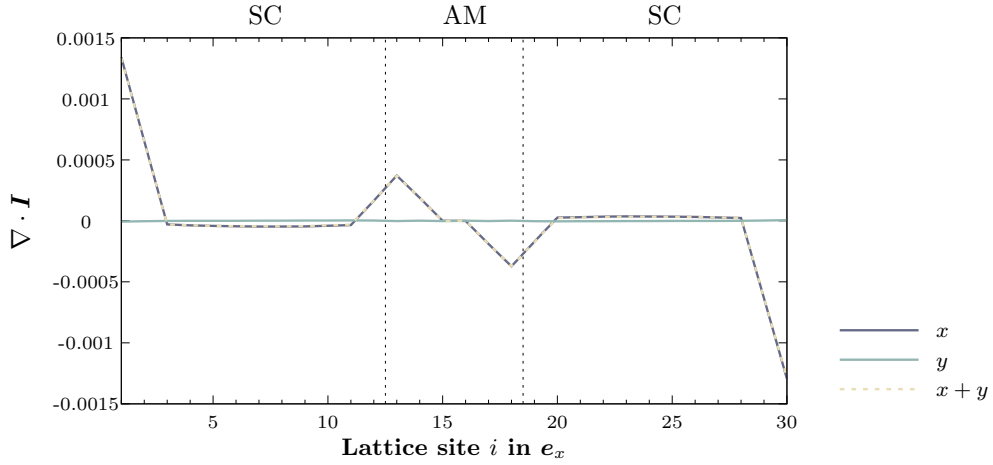

Figure 24: $\mu = -0.75$

5 D WAVE

5.1 SC30

We use the vertical periodic boundary condition as well as an high of 20 sites.

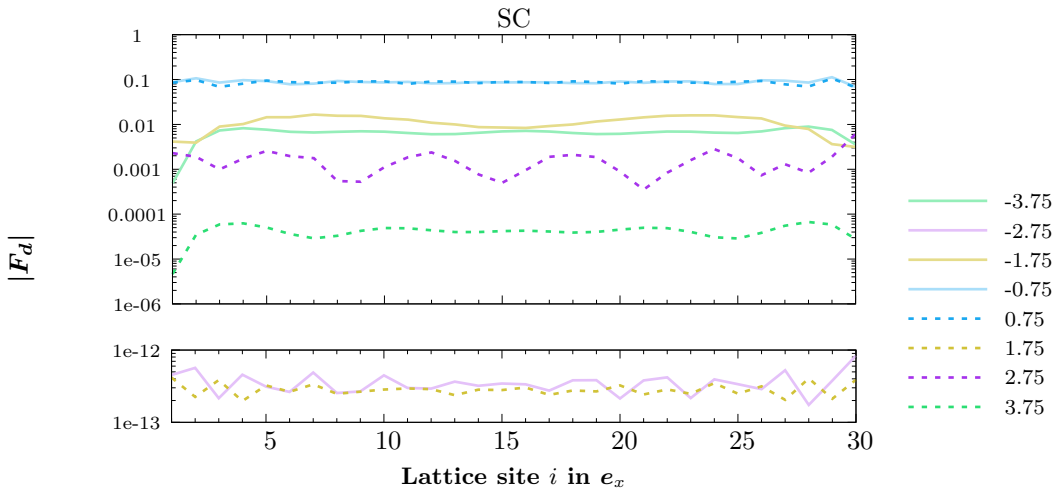

Figure 25: D wave with free delta and real Δ_d