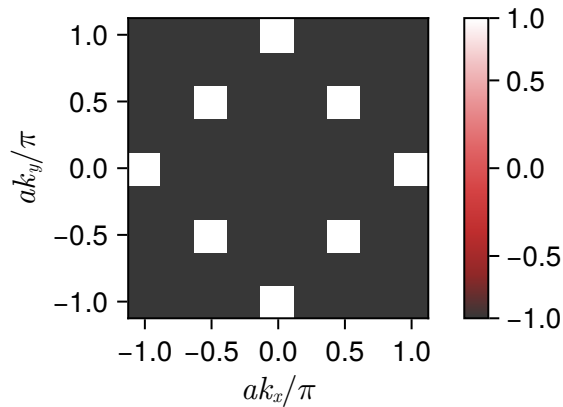
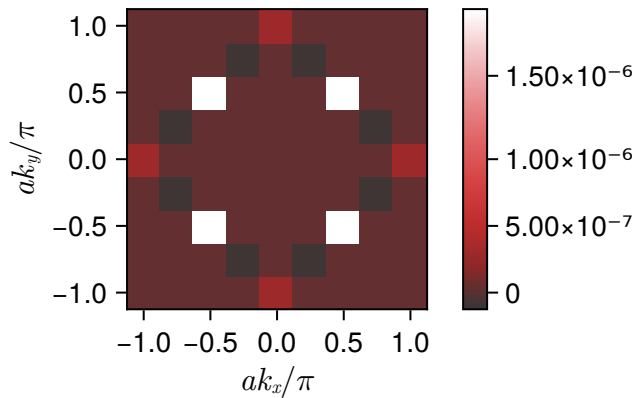


$$\chi_s(d, \vec{k})$$

$$\chi_c(\vec{k})$$

$$n_{k\uparrow} n_{k\downarrow}$$

$$W/J = -0.0$$



$$W/J = -0.111$$

