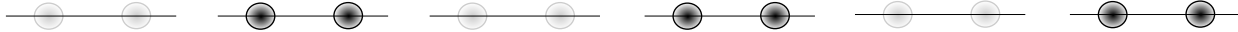


$p = 4$



$p = 3$



Fermi level



$p = 2$



$p = 1$



$\sigma = +1/2$     $\sigma = -1/2$