

$$[H, \rho_r^\dagger(n)] = t W_n (\beta = -2),$$

where β is the transfer quantum, while n labels the roots of the corresponding dispersion relations.

$$\frac{1}{G(\pm 2)} = \sum_K \frac{(\Omega_K/2)}{2E_K \mp W_n(\pm 2)} + \sum_i \frac{(\Omega_i/2)}{2E_i \pm W_n(\pm 2)}$$

in increasing order of energy.

For the case of the ^(neutron) pair addition and pair subtraction modes of 208Pb the above equation can be graphically solved (cf. Fig. 1), the minimum of the dispersion relation coincides with the Fermi energy.

One then obtains