HW #14: Quasiparticles

1. – Electrons in solids are Effective Quasiparticles of a Many-body System:

Following Hofmann Section 6.7, <u>re-derive</u> Equation 6.68, and then **explain why** the mass of the charge carriers in solids can differ significantly in magnitude (as well as sign) from the free-space mass of an electron.