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(a) To calculate the probability, first divide the time into intervals such that  $\Delta t$ , when  $\Delta t \ll \tau$ , the term  $e^{-\Delta t/\tau}$ , and the value of approaches zero. The probability that no collision occurs in time interval  $\Delta t$  is given by the Drude model to be  $e^{-\Delta t/\tau}$ . It is important to note that the probability for no collision in interval must hold for each time interval making up time  $t$ ; therefore the probability  $P(t)$  for no ...

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Ashcroft And Mermin Chapter 22 Solutions

Does Ashcroft and Mermin chapter 13 problem 4 have a misprint? 0. Question about equation 2.73 in Ashcroft and Mermin. 1. Conductivity in Semi Conductor With band structure. 25. Speed of electrons in a current-carrying metallic wire: does it even make sense? 0. Number of electrons within Fermi Surface. 1.

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