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projection of the magnetic moment of the upper state along the field direction is $-J-t$ and of the lower state is $J-t$. The resultant magnetization for N atoms per unit volume is M , with $x = J-t/k_B T$, $e^{-x} = e^{-J-t/k_B T}$. $M = (N \mu_B - N \mu_B) J-t = N \mu_B \tanh x$. (17) For $x \sim 1$, $\tanh x = x$, and we have $M = N \mu_B (J-t/k_B T)$ (18) SEVENTH EDITION Introduction to Solid State Physics Solution Manual for Introduction to Solid State Physics - Charles Kittel October 7, 2013 Physics, Solid State, Solution Manual Physics Books Delivery is INSTANT, no waiting and no delay time. it means that you can download the files IMMEDIATELY once payment done. Solution manual to Introduction to Solid State Physics by Charles Kittel

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Physics students worldwide study his classic text Introduction to Solid State Physics, now in its 8th edition. He was a member of the U.S. National Academy of Sciences, elected in 1957. Kittel died on May 15, 2019 at the age of 102. Awards. Oliver E. Buckley Condensed Matter Prize, 1957; Berkeley Distinguished Teacher Award, 1970

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