

Physics Of Semiconductor Devices Solution



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5. n-Si of a p-nSi junction has a resistivity of $1 \Omega\text{cm}$. What should be the resistivity of p-Si so that 99 % of the total width of the space charge region would be located in n-Si (p+-n junction)? For the parameters needed see problem 1.

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His book Physics of Semiconductor Devices (Wiley) is one of the most cited works in contemporary engineering and applied science publications (over 15,000 citations from ISI Press). Dr. Sze is the recipient of numerous awards and holds such titles as Life Fellow of the IEEE, Academician of the Academia Sinica, and member of the US National ...

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