

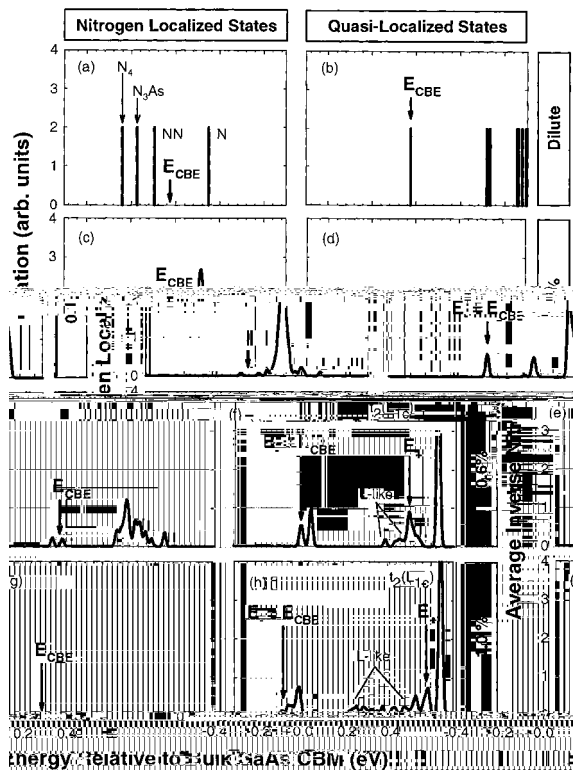
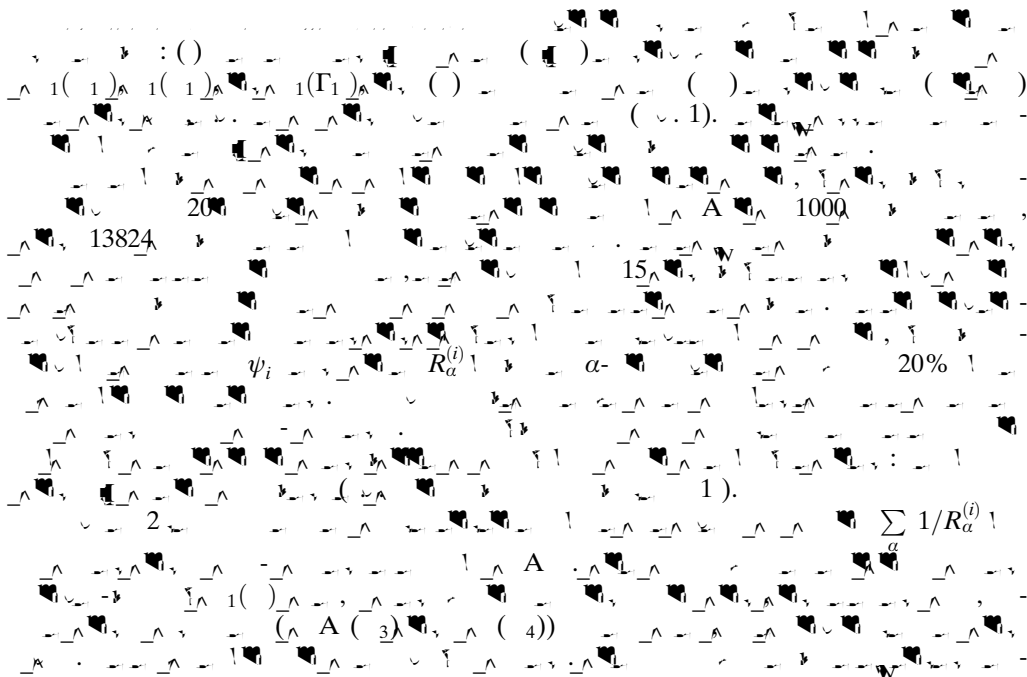
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Abstract: A study of the electronic structure of a material, showing the energy bands and the density of states. The figure displays the energy bands along the high-symmetry path Γ -X-Y-X Γ and the corresponding density of states. The energy is measured in eV, ranging from -10 to 10. The bands are labeled with their symmetry and parity, and the density of states is shown in units of states/eV. The figure is a plot of energy versus momentum, with the energy axis ranging from -10 to 10 eV and the momentum axis showing the high-symmetry path Γ -X-Y-X Γ . The density of states is shown as a series of peaks and valleys, corresponding to the energy bands. The figure is a plot of energy versus momentum, with the energy axis ranging from -10 to 10 eV and the momentum axis showing the high-symmetry path Γ -X-Y-X Γ . The density of states is shown as a series of peaks and valleys, corresponding to the energy bands.



$E_{\Gamma} = (E_{\Gamma}^{-1})^T \cdot A_{\Gamma}^{-1} \cdot A_{\Gamma} \cdot E_{\Gamma}$

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