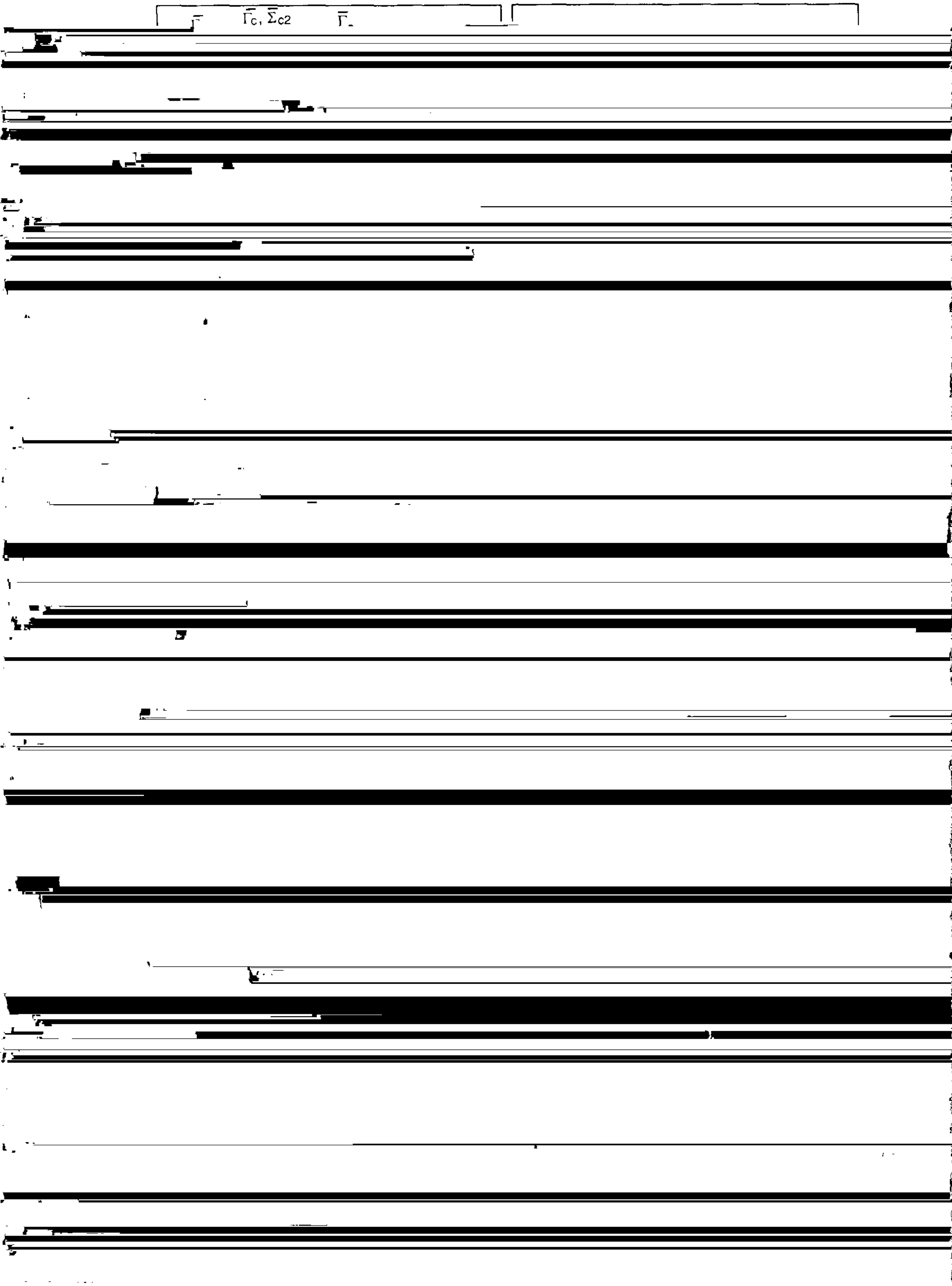
[illegible]

[illegible]

band gap when forming a superlattice, the superlattice-induced folding must be such that the lowest energy strain-split X band folds to $\bar{\Gamma}$.

The strain will also split the three-fold degeneracy (in the absence of spin-orbit splitting) of the valence band maximum into a doubly degenerate p^{100}, p^{010} pair and a single p^{001} state. Again the order of these states depends on the sign of the strain: [illegible]


$\bar{\Gamma}$
$\bar{\Gamma}_c, \bar{\Sigma}_{c2}$
$\bar{\Gamma}_-$

reduces the direct band gap and slightly modifies the valence band offsets. The effect of spin–orbit on the confinement of the superlattice states is thus expected to be small.

5. CONCLUSIONS

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