

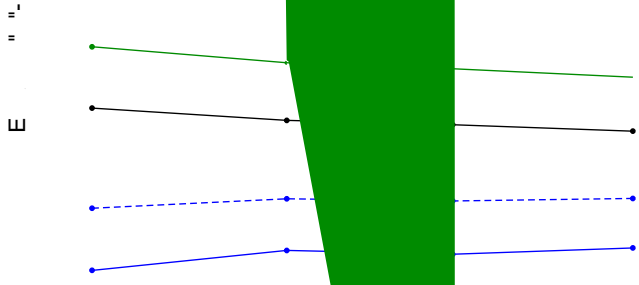
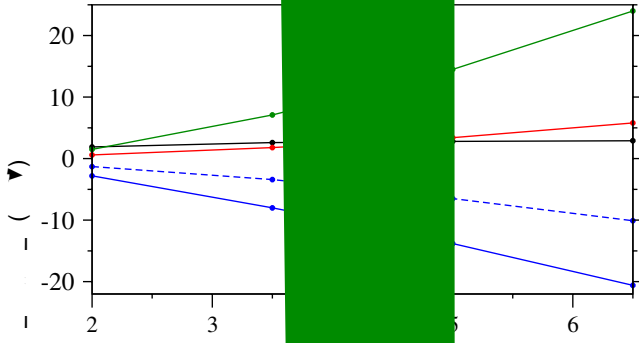
# Effects of linear and nonlinear piezoelectricity on the electronic properties of InAs/GaAs quantum dots

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Abstract

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$P_{[110]} - P_{[110]}$  ( )  
 $= (P_{[110]} - P_{[110]})$  ( )  
 $V_{[110]} = [ ( ) ]$   
 $C_{2v}$  ( )  
 $( )$  [ ( ) ]  
 $E_{(1)}$  [ (B) ]  
 $E_{(1)}$  (I)  
 $A/A$   
 $V$  ( )  
 $P_{[110]}$  [110]  
 $[ ( = ) ]$

5.  $V_{[110]}$   
 Fig. 4  $V_{[110]}$   
 $[001]$  A  
 $A/A$  25  
 $5$   
 $(\bar{r})^2 - |(\bar{r})|^2$   
 $1.7\%$   $10.4\%$   
 $[001]$  0, 1, 2  
 $D$  3, 4, 5  
 $3$   $5$   
 $[110]$

