

OCCURRENCE OF PAIRWISE ENERGY LEVEL  
DEGENERACIES IN  $q, p$ -OSCILLATOR MODEL

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S u m m a r y

It is demonstrated that a two-parameter deformed oscillator with the deformation parameters  $q, p$  such that  $0 < q, p \leq 1$  exhibits the property of “accidental” two-fold (pairwise) energy level degeneracy of the classes  $E_m = E_{m+1}$  and  $E_0 = E_m$ . The most general case of degeneracy of  $q, p$ -oscillators of the form  $E_{m+k} = E_m$  (with  $k \geq 1$  for  $m \geq 1$  or  $k \geq 2$  for  $m = 0$ ) is briefly discussed.