Bell inequalities



Ib. San for any direction. Then them

11a) = co e 17) + so e (4); Ada 13/17 = 20 e (14) + 35 e (41) + on 10-0 (1(1)=-ise = it/2 (1) + ce i eith (1)

172 La) = - ise (e e (111) + i c= 171)

-ise (41) + ise age (4 146)

(4 m 1 m) = - (5 c g e = (1 7 1) + i c 2 (1 1 1) --(50° 111) + US\$ C\$ e 1+1

 $\frac{1}{6}(11344) + 1(613) = \frac{1}{6}(174) - \frac{1}{6}(174) - \frac{1}{6}(174) - \frac{1}{16}(174)$

$$P_{1_{2}}$$
, = $c^{2}e^{2} = ||f(1_{1})||^{2}$
in state 17,1)
 $P_{1_{2}} = s^{2}e/_{2} = ||f(1_{2})||^{2}$

$$\frac{P_{3,+}, \hat{y}_{,+}}{4} = \left| \left(\frac{1}{2} \frac{1}{3} \right) \frac{1}{2} \left(\frac{1}{3} \frac{1}{1} \right) - \frac{1}{3} \frac{1}{3} \right) \right|^{2} = \frac{1}{2} \left| \left(\frac{1}{3} \frac{1}{1} \right) \frac{1}{2} \right|^{2} = \frac{1}{2} \left| \left(\frac{1}{3} \frac{1}{1} \right) \frac{1}{2} \right|^{2} = \frac{1}{2} \left| \sin^{2} \frac{\theta}{2} \right|^{2} = \frac{1}{2} \left| \sin^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \left(\frac{1}{3} \frac{1}{1} \right) \frac{1}{3} \frac{1}{3} \right|^{2} = \frac{1}{2} \left| \sin^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \sin^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \sin^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right) \right|^{2} = \frac{1}{2} \left| \cos^{2} \left(\frac{P}{4} - \frac{\theta}{2} \right$$

$$P_{2,+}, \eta_{,+} = \frac{1}{2} \sin^2 \frac{\pi}{8} = \frac{1}{4} (1 - c \frac{\pi}{8}) = \frac{1}{4} (1 - \frac{\pi}{2})$$

$$P_{3,+}, \eta_{,+} = \frac{1}{2} \sin^2 \frac{\pi}{8} = \frac{1}{4} (1 - \frac{\pi}{2})$$

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suppose reget is pudetermed.

 $P_{2,+}; N,+ = \frac{N_{++-} + N_{+--}}{N_{T}}$

Print : X+ = N++++N-++

P2+,7+ < P2+12+ + Pn+ y+

For patrol 1

Pz+, y- & Pz+,n-+Pn+,y-

Pz+4-n++ Pz+4-n= 5

{ Pz+n-+ Pn+,4-