

1 Flip-Flop

$\bar{\eta}$ table	$\bar{\eta}_{\text{same}}$	$\bar{\eta}_{\text{diff}}^{\text{close}}$	$\bar{\eta}_{\text{diff}}^{\text{far}}$
$ \pm 1\rangle$ basis	$\frac{2}{3\sqrt{3}} = 0.3849$	0.6507	0.8328
$ +/-\rangle$ basis (no correlations)	0.7110	0.6828	0.6828
$ +/-\rangle$ basis (full correlations)	$\frac{4}{3\sqrt{3}} = 0.7698$	0.6951	0.6951

Degeneracy formulae :

- no degeneracies : $\bar{\eta} = \frac{1}{4}\bar{\eta}_{\text{same}}$
- 1x2x1 / $\{1,1,0\}$ planes : $\bar{\eta} = \frac{1}{4}\bar{\eta}_{\text{same}} + \frac{1}{4}\bar{\eta}_{\text{diff}}^{\text{far}}$
- 2x2 / $\{1,0,0\}$ planes : $\bar{\eta} = \frac{1}{4}\bar{\eta}_{\text{same}} + \frac{1}{4}\bar{\eta}_{\text{diff}}^{\text{close}}$
- 3x1 / $\langle 1,1,1 \rangle$ directions : $\bar{\eta} = \frac{1}{4}\bar{\eta}_{\text{same}} + \frac{2}{4}\bar{\eta}_{\text{diff}}^{\text{far}}$
- 4x0 / $\langle 1,0,0 \rangle$ directions : $\bar{\eta} = \frac{1}{4}\bar{\eta}_{\text{same}} + \frac{2}{4}\bar{\eta}_{\text{diff}}^{\text{close}} + \frac{1}{4}\bar{\eta}_{\text{diff}}^{\text{far}}$

Numerical Values :

- no degeneracies : $\bar{\eta}^2 = 9.259 \cdot 10^{-3} = \bar{\eta}_0^2$
- 1x2x1 : $\bar{\eta}^2 = 9.267 \cdot 10^{-2} = 10.0 \cdot \bar{\eta}_0^2$
- 2x2 : $\bar{\eta}^2 = 6.703 \cdot 10^{-2} = 7.24 \cdot \bar{\eta}_0^2$
- 3x1 : $\bar{\eta}^2 = 0.2628 = 28.4 \cdot \bar{\eta}_0^2$
- 4x0 $|\pm 1\rangle$ basis : $\bar{\eta}^2 = 0.3966 = 42.8 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (no correlations) : $\bar{\eta}^2 = 0.4759 = 51.4 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (full correlations) : $\bar{\eta}^2 = 0.5094 = 55.0 \cdot \bar{\eta}_0^2$

2 Double quantum

$\bar{\eta}$ table	$\bar{\eta}_{\text{same}}$	$\bar{\eta}_{\text{diff}}^{\text{close}}$	$\bar{\eta}_{\text{diff}}^{\text{far}}$
$ \pm 1\rangle$ basis	1	0.8328	0.6507
$ +/-\rangle$ basis (no correlations)	0.7110	0.6828	0.6828
$ +/-\rangle$ basis (full correlations)	0.6366	0.6705	0.6705

Numerical Values :

- 4x0 $|\pm 1\rangle$ basis : $\bar{\eta}^2 = 0.6874 = 74.2 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (no correlations) : $\bar{\eta}^2 = 0.4759 = 51.4 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (full correlations) : $\bar{\eta}^2 = 0.4383 = 47.3 \cdot \bar{\eta}_0^2$

3 Flip-flop + DQ

$\bar{\eta}$ table	$\bar{\eta}_{\text{same}}$	$\bar{\eta}_{\text{diff}}^{\text{close}}$	$\bar{\eta}_{\text{diff}}^{\text{far}}$
$ \pm 1\rangle$ basis	1.1405	1.1293	1.1293
$ +/-\rangle$ basis (no correlations)	1.11674	1.07235	1.07235
$ +/-\rangle$ basis (full correlations)	1.11674	1.07235	1.07235

- 4x0 $|\pm 1\rangle$ basis : $\bar{\eta}^2 = 1.28165 = 138.42 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (no correlations) : $\bar{\eta}^2 = 1.1738 = 126.78 \cdot \bar{\eta}_0^2$
- 4x0 $|+/-\rangle$ basis (full correlations) : $\bar{\eta}^2 = 1.1738 = 126.78 \cdot \bar{\eta}_0^2$

4 Flip-flop + 0.5 DQ

$\bar{\eta}$ table	$\bar{\eta}_{\text{same}}$	$\bar{\eta}_{\text{diff}}^{\text{close}}$	$\bar{\eta}_{\text{diff}}^{\text{far}}$
$ \pm 1\rangle$ basis	0.8702	0.9373	1.0074
$ +/-\rangle$ basis (no correlations)	0.96022	0.9220	0.9220
$ +/-\rangle$ basis (full correlations)	0.9816	0.9262	0.9262

— 4x0 $|\pm 1\rangle$ basis : $\bar{\eta}^2 = 0.8799 = 95.035 \cdot \bar{\eta}_0^2$
 — 4x0 $|+/-\rangle$ basis (no correlations) : $\bar{\eta}^2 = 0.8678 = 93.7 \cdot \bar{\eta}_0^2$
 — 4x0 $|+/-\rangle$ basis (full correlations) : $\bar{\eta}^2 = 0.8836 = 95.44 \cdot \bar{\eta}_0^2$