Complete Graphs – 1 round

4v0

$$e^{(0.\,-6.i)\gamma}\left(\sin^4(\beta)+\cos^4(\beta)\right)-6e^{(0.\,+2.i)\gamma}\sin^2(\beta)\cos^2(\beta)+(1.\,+0.i)\left(4i\sin(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos(\beta)\right)$$

p = 0.7463862450716419

4v1

$$\begin{aligned}&e^{(0.\,-6.i)\gamma}\left(i\sin(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos(\beta)\right)+e^{(0.\,+2.i)\gamma}\left(3i\sin(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos(\beta)\right)\\&+(1.\,+0.i)\left(\sin^4(\beta)+\cos^4(\beta)-6\sin^2(\beta)\cos^2(\beta)\right)\end{aligned}$$

p = 1.0000000000000004

5v1

$$\begin{aligned}&e^{(0.\,-10.i)\gamma}\left(\sin^4(\beta)\cos(\beta)+i\sin(\beta)\cos^4(\beta)\right)\\&+e^{(0.\,-2.i)\gamma}\left(i\sin^5(\beta)+\cos^5(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)\right)\\&+e^{(0.\,+2.i)\gamma}\left(4i\sin(\beta)\cos^4(\beta)-6\sin^2(\beta)\cos^3(\beta)-6i\sin^3(\beta)\cos^2(\beta)+4\sin^4(\beta)\cos(\beta)\right)\end{aligned}$$

p = 0.9027829703323855

5v2

$$\begin{aligned}&e^{(0.\,-10.i)\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)\\&+e^{(0.\,-2.i)\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\\&+e^{(0.\,+2.i)\gamma}\left(i\sin^5(\beta)+\cos^5(\beta)+3i\sin(\beta)\cos^4(\beta)\right.\\&\left.-6\sin^2(\beta)\cos^3(\beta)-6i\sin^3(\beta)\cos^2(\beta)+3\sin^4(\beta)\cos(\beta)\right)\end{aligned}$$

p = 0.9812601126931485

6v1

$$\begin{aligned}&e^{(0.\,-15.i)\gamma}\left(i\sin(\beta)\cos^5(\beta)+i\sin^5(\beta)\cos(\beta)\right)\\&+e^{(0.\,+1.i)\gamma}\left(5i\sin(\beta)\cos^5(\beta)-20i\sin^3(\beta)\cos^3(\beta)+5i\sin^5(\beta)\cos(\beta)\right)\\&+e^{(0.\,+3.i)\gamma}\left(10\sin^4(\beta)\cos^2(\beta)-10\sin^2(\beta)\cos^4(\beta)\right)\\&+e^{(0.\,-5.i)\gamma}\left(-\sin^6(\beta)+\cos^6(\beta)-5\sin^2(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^2(\beta)\right)\end{aligned}$$

p = 0.6977792071058941

6v2

$$\begin{aligned}&e^{(0.\,-5.i)\gamma}\left(2i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\\&+e^{(0.\,+3.i)\gamma}\left(4i\sin(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos(\beta)\right)\\&+e^{(0.\,-15.i)\gamma}\left(\sin^4(\beta)\cos^2(\beta)-\sin^2(\beta)\cos^4(\beta)\right)\\&+e^{(0.\,+1.i)\gamma}\left(-\sin^6(\beta)+\cos^6(\beta)-14\sin^2(\beta)\cos^4(\beta)+14\sin^4(\beta)\cos^2(\beta)\right)\end{aligned}$$

p = 0.9374999999999998

6v3

$$\begin{aligned}&-2ie^{(0.\,-15.i)\gamma}\sin^3(\beta)\cos^3(\beta)+e^{(0.\,+1.i)\gamma}\left(6i\sin(\beta)\cos^5(\beta)-18i\sin^3(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos(\beta)\right)\\&+e^{(0.\,-5.i)\gamma}\left(6\sin^4(\beta)\cos^2(\beta)-6\sin^2(\beta)\cos^4(\beta)\right)\\&+e^{(0.\,+3.i)\gamma}\left(-\sin^6(\beta)+\cos^6(\beta)-9\sin^2(\beta)\cos^4(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)\end{aligned}$$

p = 0.7898554196671116