$$\left\{-\left(\left(\left(\sin\left[\frac{\pi\alpha}{2}\right]\left(-2\arccos\left[-\sqrt{\left(\frac{9}{16}+\frac{1}{2}\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)-\frac{1}{2}\sqrt{\left(\frac{11}{32}-(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)-\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}+\left(-\frac{27}{8}+\frac{1}{8}(26+\cos[\pi\alpha])\right)\Big/\left(4\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)}\right)^{1/3}\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1,}\right)\cos\left[2\arccos\left[-\sqrt{\left(\frac{9}{16}+\frac{1}{2}\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)-$$

$$\frac{1}{2}\surd\Big(\frac{11}{32} - (73 + 48\,\mathrm{Cos}[\pi\alpha])\Big/\Big(64\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3}\Big)$$

$$\frac{1}{64}\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3} +$$

$$\Big(-\frac{27}{8} + \frac{1}{8}(26 + \mathrm{Cos}[\pi\alpha])\Big)\Big/\Big(4\surd\Big(\frac{11}{64} + (73 + 48\,\mathrm{Cos}[\pi\alpha])\Big/$$

$$\Big(64\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64\surd\Big(-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2$$

$$\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{64}\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64\surd\Big(-123$$

$$\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2$$

$$\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4\Big)\Big)^{1/3}\Big)\Big)\Big)\Big)\Big]\Big] +$$

$$4\,\mathrm{ArcCos}\Big[-\surd\Big(\frac{9}{16} + \frac{1}{2}\surd\Big(\frac{11}{64} + (73 + 48\,\mathrm{Cos}[\pi\alpha])\Big/\Big(64\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] +$$

$$32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3}\Big) +$$

$$\frac{1}{64}\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3}\Big) -$$

$$\frac{1}{2}\surd\Big(\frac{11}{32} - (73 + 48\,\mathrm{Cos}[\pi\alpha])\Big/\Big(64\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3}\Big) -$$

$$\frac{1}{64}\Big(571 + 728\,\mathrm{Cos}[\pi\alpha] + 32\,\mathrm{Cos}[\pi\alpha]^2 - 64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4 + 2\,\mathrm{Cos}\Big[\frac{\pi\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\alpha]\,\mathrm{Sin}\Big[\frac{\pi\alpha}{2}\Big]^4}\Big)^{1/3} +$$

$$\Big(-\frac{27}{8} + \frac{1}{8}(26 + \mathrm{Cos}[\pi\alpha])\Big)\Big/\Big(4\surd\Big(\frac{11}{64} + (73 + 48\,\mathrm{Cos}[\pi\alpha])\Big/$$

$$\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)}\right)^{1/3}\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1,}$$

$$\cos\left[4\arccos\left[-\sqrt{\left(\frac{9}{16}+\frac{1}{2}\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)\right)}+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)-\frac{1}{2}\sqrt{\left(\frac{11}{32}-(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)\right)}+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}+\left(-\frac{27}{8}+\frac{1}{8}(26+\cos[\pi\alpha])\right)\Big/\left(4\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)}\right)^{1/3}\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)}\right)^{1/3}\right)\right)}\right)\right]\right]+$$

$$\alpha\ (\mathrm{Sin}[2\ \mathrm{ArcCos}[-\sqrt{(}\ (\frac{9}{16}+\frac{1}{2}\sqrt{(}\ (\frac{11}{64}+(73+48\ \mathrm{Cos}[\pi\,\alpha])\ /\ (64\ (571+728$$

$$\mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1,}$$

$$\frac{1}{64}\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1/3})$$

$$\frac{1}{2}\sqrt{(}\ (\frac{11}{32}-(73+48\ \mathrm{Cos}[\pi\,\alpha])\ /\ (64\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1,}$$

$$\frac{1}{64}\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1/3}\ +$$

$$(-\frac{27}{8}+\frac{1}{8}\ (26+\mathrm{Cos}[\pi\,\alpha]))\ /\ (4\sqrt{(}\ (\frac{11}{64}+(73+48\ \mathrm{Cos}[\pi\,\alpha])\ /$$

$$(64\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-$$

$$64\sqrt{(}\ (-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]$$

$$\mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}))^{1/3})+\frac{1}{64}\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+$$

$$32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64\sqrt{(}\ (-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+$$

$$2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}))^{1/3})))))]]\ -$$

$$\mathrm{Sin}[4\ \mathrm{ArcCos}[-\sqrt{(}\ (\frac{9}{16}+\frac{1}{2}\sqrt{(}\ (\frac{11}{64}+(73+48\ \mathrm{Cos}[\pi\,\alpha])\ /\ (64\ (571+728$$

$$\mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1,}$$

$$\frac{1}{64}\ (571+728\ \mathrm{Cos}[\pi\,\alpha]+32\ \mathrm{Cos}[\pi\,\alpha]^{2}-64$$

$$\sqrt{-123\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}+2\ \mathrm{Cos}[\frac{\pi\,\alpha}{2}]^{2}\ \mathrm{Cos}[\pi\,\alpha]\ \mathrm{Sin}[\frac{\pi\,\alpha}{2}]^{4}}\ )^{1/3})$$

$$\frac{1}{2}\sqrt{\left(\frac{11}{32}-(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/}\right.\right.$$
$$\left.\left.\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}+\right.\right.$$
$$\left.\left.\left(-\frac{27}{8}+\frac{1}{8}(26+\cos[\pi\alpha])\right)\Big/\left(4\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)}\right)^{1/3}\right)+\frac{1}{64}\left(571+728\cos[\pi\alpha]+\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.32\cos[\pi\alpha]^2-64\sqrt{\left(-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.\left.\left.\left.\left.2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4\right)\right)^{1/3}\right)\right)\right)\right)\right]\right]\right)\right)\Big/$$
$$\left(2\left(\alpha\cos\left[\frac{\pi\alpha}{2}\right]+\alpha\cos\left[\frac{\pi\alpha}{2}+6\,\text{ArcCos}\left[-\sqrt{\left(\frac{9}{16}+\frac{1}{2}\sqrt{\left(\frac{11}{64}+(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right)-\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.\frac{1}{2}\sqrt{\left(\frac{11}{32}-(73+48\cos[\pi\alpha])\Big/\left(64\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}\right.\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\left.\frac{1}{64}\left(571+728\cos[\pi\alpha]+32\cos[\pi\alpha]^2-64\sqrt{-123\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+2\cos\left[\frac{\pi\alpha}{2}\right]^2\cos[\pi\alpha]\sin\left[\frac{\pi\alpha}{2}\right]^4}\right)^{1/3}+\right.\right.\right.\right.\right.\right.$$

$$\left(-\frac{27}{8}+\frac{1}{8}\ (26+\text{Cos}[\pi\,\alpha])\right)\Big/\ \Bigg(4\sqrt{\vphantom{\Big(}}\Bigg(\frac{11}{64}+(73+48\,\text{Cos}[\pi\,\alpha])\Big/$$

$$\Bigg(64\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64\sqrt{\vphantom{\Big(}}\Bigg(-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2$$

$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4\Bigg)\Bigg)^{1/3}\Bigg)+$$

$$\frac{1}{64}\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64\sqrt{\vphantom{\Big(}}\Bigg(-123$$

$$\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2$$

$$\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4\Bigg)\Bigg)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg)\Bigg]\Bigg]-$$

$$6\,\text{ArcCos}\Bigg[-\sqrt{\vphantom{\Big(}}\Bigg(\frac{9}{16}+\frac{1}{2}\sqrt{\vphantom{\Big(}}\Bigg(\frac{11}{64}+(73+48\,\text{Cos}[\pi\,\alpha])\Big/\ \Bigg(64\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+$$

$$32\,\text{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4}\ \Bigg)^{1/3}\Bigg)+$$

$$\frac{1}{64}\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4}\ \Bigg)^{1/3}\Bigg)-$$

$$\frac{1}{2}\sqrt{\vphantom{\Big(}}\Bigg(\frac{11}{32}-(73+48\,\text{Cos}[\pi\,\alpha])\Big/\ \Bigg(64\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4}\ \Bigg)^{1/3}\Bigg)-$$

$$\frac{1}{64}\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4}\ \Bigg)^{1/3}+$$

$$\left(-\frac{27}{8}+\frac{1}{8}\ (26+\text{Cos}[\pi\,\alpha])\right)\Big/\ \Bigg(4\sqrt{\vphantom{\Big(}}\Bigg(\frac{11}{64}+(73+48\,\text{Cos}[\pi\,\alpha])\Big/$$

$$\Bigg(64\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64\sqrt{\vphantom{\Big(}}\Bigg(-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2$$

$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4\Bigg)\Bigg)^{1/3}\Bigg)+$$

$$\frac{1}{64}\ \Bigg(571+728\,\text{Cos}[\pi\,\alpha]+32\,\text{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\text{Cos}[\pi\,\alpha]\ \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4}\ \Bigg)^{1,}$$

$$\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]\Big)\Big)\ \Big(\frac{7}{16}-\frac{1}{2}\sqrt{\Big(\frac{11}{64}+(73+48\,\mathrm{Cos}[\pi\,\alpha])\Big/\Big(64\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-}$$

$$64\,\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}\Big)+$$

$$\frac{1}{64}\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}\Big)+$$

$$\frac{1}{2}\sqrt{\Big(\frac{11}{32}-(73+48\,\mathrm{Cos}[\pi\,\alpha])\Big/\Big(64\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-}$$

$$64\,\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}\Big)-$$

$$\frac{1}{64}\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}+$$

$$\Big(-\frac{27}{8}+\frac{1}{8}\,(26+\mathrm{Cos}[\pi\,\alpha])\Big)\Big/\Big(4\sqrt{\Big(\frac{11}{64}+(73+48\,\mathrm{Cos}[\pi\,\alpha])\Big/}$$

$$\Big(64\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}\Big)+$$

$$\frac{1}{64}\,\Big(571+728\,\mathrm{Cos}[\pi\,\alpha]+32\,\mathrm{Cos}[\pi\,\alpha]^2-64$$

$$\sqrt{-123\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4+2\,\mathrm{Cos}\Big[\frac{\pi\,\alpha}{2}\Big]^2\,\mathrm{Cos}[\pi\,\alpha]\,\mathrm{Sin}\Big[\frac{\pi\,\alpha}{2}\Big]^4}\ \Big)^{1/3}\Big)\Big)\Big)$$

$$\Big)\Big)\Big)\Big\}$$