$$(*\tau^{*}(\Gamma_2)*)$$

$$\left(\frac{1}{a}\left(2^{\alpha}\,\text{ArcCos}\left[-\sqrt{\left(\frac{5}{8}-\frac{1}{2}\sqrt{\left(\frac{25}{16}-\frac{33\,b\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}+\right.\right.\right.\right.$$

$$\left.\left.\left.\left.\frac{33\,b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2}{48\left(b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}+\left(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-\right.\right.\right.\right.$$

$$\left.\left.\left.\left.32\,a^2\,b^2\,\text{Cos}[\pi\alpha]-72\,a\,b^3\,\text{Cos}[\pi\alpha]-36\,b^4\,\text{Cos}[\pi\alpha]+2\,a^2\,b^2\,\text{Cos}[2\,\pi\alpha]\right)\right/\right.\right.$$

$$\left.\left.\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.\right.$$

$$138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+58\,752\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+$$

$$73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$387\,072\,a\,b^5\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+248\,832\,a\,b^5$$

$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+93\,312\,b^6\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\right.}$$

$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-$$

$$764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+5\,860\,491\,264\,a^4\,b^8$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$13\,504\,610\,304\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+1\,528\,823\,808\,a\,b^{11}$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-$$

$$1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-4\,076\,863\,488\,a^5\,b^7$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+$$

$$32\,161\,923\,072\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+29\,302\,456\,320\,a^2\,b^{10}$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+7\,644\,119\,040\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-$$

$$764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-1\,811\,939\,328\,a^6\,b^6$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8-4\,076\,863\,488\,a^5\,b^7\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8+$$

$$3\,142\,582\,272\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8+15\,854\,469\,120$$

$$a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Bigg(-3456 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944 a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +$$

$$138\,240 a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +$$

$$73\,728 a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128 a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$387\,072 a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$65\,536 a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184 a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832 a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$93\,312 b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 -$$

$$1\,528\,823\,808 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904 b^{12}$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$16\,307\,453\,952 a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304 a^2 b^{10}$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 -$$

$$1\,528\,823\,808 b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328 a^6 b^6$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488 a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$9\,003\,073\,536 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072 a^3$$

$$b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 -$$

$$764\,411\,904 b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328 a^6 b^6$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488 a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$

$$3\,142\,582\,272 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120 a^3$$

$$b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{2}\sqrt{\left(\frac{25}{8}-\frac{33\,b\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}-\right.$$

$$\frac{33\,b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2}{48\left(b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}-$$

$$\left(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-32\,a^2\,b^2\,\text{Cos}[\pi\alpha]-\right.$$

$$\left.72\,a\,b^3\,\text{Cos}[\pi\alpha]-36\,b^4\,\text{Cos}[\pi\alpha]+2\,a^2\,b^2\,\text{Cos}[2\,\pi\alpha]\right)\Big/$$

$$\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.$$

$$138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+58\,752\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+$$

$$73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$387\,072\,a\,b^5\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+248\,832\,a\,b^5$$

$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+93\,312\,b^6\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\right.}$$

$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-$$

$$764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+5\,860\,491\,264\,a^4\,b^8$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

$$13\,504\,610\,304\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+1\,528\,823\,808\,a\,b^{11}$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-$$

$$1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-4\,076\,863\,488\,a^5\,b^7$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+$$

$$32\,161\,923\,072\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+29\,302\,456\,320\,a^2\,b^{10}$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+7\,644\,119\,040\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-$$

$$764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-1\,811\,939\,328\,a^6\,b^6$$

$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8-4\,076\,863\,488\,a^5\,b^7\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8+$$

$$3\,142\,582\,272\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8+15\,854\,469\,120$$

$$a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) -$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Big(-3456 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944 a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240 a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728 a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128 a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072 a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536 a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184 a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832 a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312 b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904 b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952 a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808 b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328 a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488 a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072 a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904 b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328 a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488 a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272 a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120 a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112 a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424 a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3} -$$

$$\Big(\frac{125}{8} - \Big(-9 b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5 a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10 b \sin\left[\frac{\pi\alpha}{2}\right]^2\Big)\Big/$$

$$\left(2\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)-\left(5\left(33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2-4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2+33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(8\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\right)\Big/$$
$$\left(4\sqrt{\left(\frac{25}{16}-\left(33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2-4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2+33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)+\left(33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2+33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2+b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)+\left(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-32\,a^2\,b^2\cos[\pi\alpha]-72\,a\,b^3\cos[\pi\alpha]-36\,b^4\cos[\pi\alpha]+2\,a^2\,b^2\cos[2\pi\alpha]\right)\Big/\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6+221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6+248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6+93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2-1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2-764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2+5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4-1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+7\,644\,119\,040$$

$$a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{192\times 2^{1/3}\,b^2}\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 -$$

$$
\begin{aligned}
&764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328 \\
&a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
&15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
&15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424 \\
&a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big)\Big)\Big)\Big]^{\alpha} \cos\left[\frac{\pi\alpha}{2}\right] + \\
&\Bigg(2^{\alpha} \operatorname{ArcCos}\Bigg[-\sqrt{\left(\frac{5}{8} - \frac{1}{2}\sqrt{\left(\frac{25}{16} - \frac{33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2}{16\, b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \right.\right.} \\
&\left(33\, b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a\, b \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right) \Big/ \\
&\left(48\left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \\
&\left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - 72\, a\, b^3 \cos[\pi\alpha] - \right. \\
&\left. 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right) \Big/ \\
&\Bigg(6 \times 2^{2/3} b^2 \left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + \right. \\
&138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + \\
&73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \right.} \\
&1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \\
&\cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808
\end{aligned}
$$

$$a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg) +$$

$$\frac{1}{192\times 2^{1/3}\,b^2}\Bigg(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Bigg(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{2}\sqrt{\left(\frac{25}{8} - \frac{33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2}{16\, b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \left(33\, b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a\, b \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right) \Big/ \left(48\left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - 72\, a\, b^3 \cos[\pi\alpha] - 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right) \Big/ \left(6 \times 2^{2/3} b^2 \left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12}\right.}\right)$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2}+5\,860\,491\,264\,a^{4}b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+16\,307\,453\,952\,a^{3}b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+13\,504\,610\,304\,a^{2}b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}-1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}-1\,811\,939\,328\,a^{6}b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}-4\,076\,863\,488\,a^{5}b^{7}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+9\,003\,073\,536\,a^{4}b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+32\,161\,923\,072\,a^{3}b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+29\,302\,456\,320\,a^{2}b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}-764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}-1\,811\,939\,328\,a^{6}b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}-4\,076\,863\,488\,a^{5}b^{7}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}+3\,142\,582\,272\,a^{4}b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}+15\,854\,469\,120\,a^{3}b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}+15\,033\,434\,112\,a^{2}b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}+4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}\Bigg)\Bigg)^{1/3}\Bigg)-$$

$$\frac{1}{192\times 2^{1/3}b^{2}}\Bigg(-3456\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{6}+82\,944\,a^{2}b^{4}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2}+138\,240\,a\,b^{5}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2}+58\,752\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2}+73\,728\,a^{3}b^{3}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+304\,128\,a^{2}b^{4}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+387\,072\,a\,b^{5}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+155\,520\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+65\,536\,a^{3}b^{3}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+221\,184\,a^{2}b^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+248\,832\,a\,b^{5}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+93\,312\,b^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6}+\sqrt{\Bigg(-764\,411\,904\,a^{2}b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2}-1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2}-764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2}+5\,860\,491\,264\,a^{4}b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4}+16\,307\,453\,952$$

$$a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)^{1/3} -$$

$$\left(\frac{125}{8} - \left(-9\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(2\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(5 \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\Big/ \left(8\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\Big)\Big/$$

$$\Bigg(4\sqrt{\left(\frac{25}{16} - \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(16\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(33\, b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a\, b \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(48 \left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - 72\, a\, b^3 \cos[\pi\alpha] - 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right)\Big/ \left(6 \times 2^{2/3} b^2 \left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +\right.\right.$$

$$
\begin{aligned}
&138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \\
&\cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&\sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \right.} \\
&\quad 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \\
&\quad \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \\
&\quad \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&\quad 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&\quad 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808 \\
&\quad b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \\
&\quad \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&\quad 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072 \\
&\quad a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \\
&\quad \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \\
&\quad \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - \\
&\quad 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488 \\
&\quad a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \\
&\quad \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
&\quad \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
&\quad \left.4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)\Big)^{1/3}\Big) +
\end{aligned}
$$

$$\frac{1}{192 \times 2^{1/3} b^2}\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)^{1/3}}\Bigg)\Bigg)\Bigg)\Bigg)\Bigg]^{\alpha}$$

$$\left(-\text{Cos}\left[2\,\text{ArcCos}\left[-\sqrt{\left(\frac{5}{8}-\frac{1}{2}\sqrt{\left(\frac{25}{16}-\left(33\,b\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(16\,b\left(\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)\right)+\right.\right.\right.\right.$$
$$\left.\left.\left.\left(33\,b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\right.\right.\right.$$
$$\left.\left.\left(48\left(b^2\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+b^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)\right)+\right.\right.$$
$$\left.\left(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-32\,a^2\,b^2\,\text{Cos}\left[\pi\alpha\right]-72\,a\,b^3\,\text{Cos}\left[\pi\alpha\right]-\right.\right.$$
$$\left.\left.36\,b^4\,\text{Cos}\left[\pi\alpha\right]+2\,a^2\,b^2\,\text{Cos}\left[2\,\pi\alpha\right]\right)\Big/\left(6\times 2^{2/3}\,b^2\right.\right.$$
$$\left.\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.$$
$$138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+58\,752\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4$$
$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$
$$304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5$$
$$\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$
$$65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+$$
$$248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+93\,312\,b^6\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+$$
$$\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-1\,528\,823\,808\right.}$$
$$a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^{10}$$
$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+5\,860\,491\,264\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$
$$16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+13\,504\,610\,304$$
$$a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8$$
$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-$$
$$1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6-4\,076\,863\,488$$
$$a^5\,b^7\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6$$
$$\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+32\,161\,923\,072\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+$$
$$29\,302\,456\,320\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^6\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+7\,644\,119\,040$$

$$a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{192\times 2^{1/3}\,b^2}\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040$$

$$
\begin{aligned}
&a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\\
&\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 -\\
&4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\\
&a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\\
&\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +\\
&4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) +
\end{aligned}
$$

$$
\begin{aligned}
&\frac{1}{2}\sqrt{\left(\frac{25}{8} - \left(33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\right.}\\
&\left(16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) -\\
&\left(33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\\
&\left(48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) -\\
&\left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\cos[\pi\alpha] - 72\,a\,b^3\cos[\pi\alpha] -\right.\\
&\left.36\,b^4\cos[\pi\alpha] + 2\,a^2\,b^2\cos[2\,\pi\alpha]\right)\Big/\left(6\times 2^{2/3}\,b^2\right.\\
&\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 +\right.\\
&138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\\
&\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +\\
&304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\\
&\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +\\
&65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 +\\
&248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +\\
&\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\right.}\\
&a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\\
&\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 +\\
&16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304
\end{aligned}
$$

$$a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) -$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Big(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304$$

$$a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3} -$$

$$\left(\frac{125}{8} - \left(-9\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(2\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(5 \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\Big/ \left(8\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\right)\Big/ \left(4 \sqrt{\left(\frac{25}{16} - \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(16\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(33\, b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a\, b \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/ \left(48 \left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - 72\, a\, b^3 \cos[\pi\alpha] - 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right)\Big/ \left(6 \times 2^{2/3} b^2 \left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +\right.\right.$$

$$138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Big(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$

$$
\begin{aligned}
&15\,854\,469\,120\,a^3\,b^9\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8+\\
&15\,033\,434\,112\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8+\\
&4\,586\,471\,424\,a\,b^{11}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big)+\\
&\frac{1}{192\times 2^{1/3}\,b^2}\Big(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\\
&\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+\\
&58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\\
&\sin\left[\frac{\pi\alpha}{2}\right]^4+304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\\
&387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\\
&\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6+\\
&221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6+248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6+\\
&93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\sqrt{\Big(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\\
&\sin\left[\frac{\pi\alpha}{2}\right]^2-1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2-\\
&764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2+\\
&5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+16\,307\,453\,952\\
&a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+13\,504\,610\,304\,a^2\,b^{10}\\
&\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\\
&\sin\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4-\\
&1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-\\
&4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\\
&a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+32\,161\,923\,072\,a^3\,b^9\\
&\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\\
&\sin\left[\frac{\pi\alpha}{2}\right]^6+7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-\\
&764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-1\,811\,939\,328
\end{aligned}
$$

$$
\begin{aligned}
&a^6\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5\, b^7 \\
&\cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4\, b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3\, b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
&15\,033\,434\,112\, a^2\, b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
&4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg)\Bigg]\Bigg] + \\
\cos\Bigg[4\,\text{ArcCos}\Bigg[-\sqrt{\left(\frac{5}{8} - \frac{1}{2}\sqrt{\left(\frac{25}{16} - \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b\right.\right.\right.} \\
&\left.\left.\left.\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(16\, b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \right.\right. \\
&\left.\left(33\, b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a\, b \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\right. \\
&\left.\left(48\left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \right. \\
&\left(30\, a^2\, b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2\, b^2 \cos[\pi\alpha] - 72\, a\, b^3 \cos[\pi\alpha] - \right. \\
&\left.36\, b^4 \cos[\pi\alpha] + 2\, a^2\, b^2 \cos[2\pi\alpha]\right)\Big/\left(6 \times 2^{2/3}\, b^2\right. \\
&\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2\, b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + \right. \\
&138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
&\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3\, b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&304\,128\, a^2\, b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \\
&\cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&65\,536\, a^3\, b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2\, b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
&\sqrt{\left(-764\,411\,904\, a^2\, b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\right.} \\
&a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \\
&\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4\, b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
&16\,307\,453\,952\, a^3\, b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304 \\
&a^2\, b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8
\end{aligned}
$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg) +$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Bigg(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Bigg(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{2}\sqrt{\left(\frac{25}{8} - \left(33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\cos[\pi\alpha] - 72\,a\,b^3\cos[\pi\alpha] - 36\,b^4\cos[\pi\alpha] + 2\,a^2\,b^2\cos[2\pi\alpha]\right)\Big/\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$\sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\right.}$$

$$a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10}$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304$$

$$a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 -$$

$$1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488$$

$$a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040$$

$$a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 -$$

$$4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272$$

$$a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$

$$\left.\left.4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)\right)^{1/3}\Bigg) -$$

$$\frac{1}{192 \times 2^{1/3} b^2}\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4\right.$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +$$

$$58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$\sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\right.}$$
$$a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10}$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304$$
$$a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 -$$
$$1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488$$
$$a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040$$
$$a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 -$$
$$4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272$$
$$a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$\left.4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)\Big)^{1/3} -$$
$$\left(\frac{125}{8} - \left(-9\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\right.$$
$$\left(2\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) -$$
$$\left(5 \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\Big/$$
$$\left.\left(8\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\right)\Big/$$
$$\left(4\sqrt{\left(\frac{25}{16} - \left(33\, b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\, a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\, b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\right.}$$
$$\left(16\, b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) +$$

$$\left(33\,b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 - 4\,a\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 33\,b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right) \Big/ \left(48\left(b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right) +$$

$$\left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\text{Cos}\left[\pi\,\alpha\right] - 72\,a\,b^3\,\text{Cos}\left[\pi\,\alpha\right] - 36\,b^4\,\text{Cos}\left[\pi\,\alpha\right] + 2\,a^2\,b^2\,\text{Cos}\left[2\,\pi\,\alpha\right]\right) \Big/ \left(6 \times 2^{2/3}\,b^2\right.$$

$$\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 58\,752\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 387\,072\,a\,b^5\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 155\,520\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 93\,312\,b^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\right.$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 -$$
$$1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 -$$
$$4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{192\times 2^{1/3}\,b^2}\Big(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$\sqrt{\Big(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 -$$
$$1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 -$$
$$1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6$$
$$b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

$$32\,161\,923\,072\,a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$29\,302\,456\,320\,a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$7\,644\,119\,040\,a\,b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$3\,142\,582\,272\,a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,854\,469\,120\,a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,033\,434\,112\,a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424$$
$$a\,b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big)\Big)\Big)\Big)\Big]\Big]\Big) \sin\left[\frac{\pi\alpha}{2}\right]\Bigg) \Big/$$
$$\Bigg(-\sin\Bigg[2\,\text{ArcCos}\Bigg[-\sqrt{\left(\frac{5}{8} - \frac{1}{2}\sqrt{\left(\frac{25}{16} - \frac{33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)}\right.\right.} +$$
$$\left(33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right) \Big/$$
$$\left(48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) +$$
$$\Big(30\,a^2b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2b^2\cos[\pi\alpha] - 72\,a\,b^3\cos[\pi\alpha] -$$
$$36\,b^4\cos[\pi\alpha] + 2\,a^2b^2\cos[2\pi\alpha]\Big) \Big/ \Bigg(6\times 2^{2/3}\,b^2$$
$$\Bigg(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 +$$
$$138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$304\,128\,a^2b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$65\,536\,a^3b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$\sqrt{\Bigg(-764\,411\,904\,a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 -}$$

$$1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^{2} - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^{2} + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^{8} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^{8} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{8} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{8} \sin\left[\frac{\pi\alpha}{2}\right]^{4} - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{8} \sin\left[\frac{\pi\alpha}{2}\right]^{4} - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{6} \sin\left[\frac{\pi\alpha}{2}\right]^{6} - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8} - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8} + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8} + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8} + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8} + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{8}\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Bigg(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^{6} + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{2} + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{2} + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^{4} \sin\left[\frac{\pi\alpha}{2}\right]^{2} + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^{2} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^{2} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^{2} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^{2} \sin\left[\frac{\pi\alpha}{2}\right]^{4} + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^{6} + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^{6} +$$

$$\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\right)}^{1/3}\Bigg) +$$

$$\frac{1}{2}\sqrt{\left(\frac{25}{8} - \frac{33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \left(33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\cos[\pi\alpha] - 72\,a\,b^3\cos[\pi\alpha] - 36\,b^4\cos[\pi\alpha] + 2\,a^2\,b^2\cos[2\pi\alpha]\right)\Big/\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 +\right.\right.$$

$$138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)\right)^{1/3}\right) -$$

$$\frac{1}{192 \times 2^{1/3} b^2}\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)}^{1/3} -$$

$$\left(\frac{125}{8} - \left(-9\,b\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + 5\,a\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 10\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\Big/ \left(2\,b\left(\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right) - \left(5\left(33\,b\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 - 4\,a\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 33\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right)\Big/ \left(8\,b\left(\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right)\right)\Big/ \left(4\sqrt{\left(\frac{25}{16} - \left(33\,b\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 - 4\,a\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 33\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\Big/ \left(16\,b\left(\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + \text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right) + \left(33\,b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 - 4\,a\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 33\,b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\Big/ \left(48\left(b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right) + \left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\text{Cos}\left[\pi\,\alpha\right] - 72\,a\,b^3\,\text{Cos}\left[\pi\,\alpha\right] - 36\,b^4\,\text{Cos}\left[\pi\,\alpha\right] + 2\,a^2\,b^2\,\text{Cos}\left[2\,\pi\,\alpha\right]\right)\Big/ \left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 58\,752\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 387\,072\,a\,b^5\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 155\,520\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 93\,312\,b^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 -$$

$$1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg) +$$

$$\frac{1}{192\times 2^{1/3}\,b^2}\Bigg(-3456\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Bigg(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$

$$
\begin{aligned}
&13\,504\,610\,304\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4+\\
&1\,528\,823\,808\,a\,b^{11}\,\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4-\\
&1\,528\,823\,808\,b^{12}\,\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4-1\,811\,939\,328\,a^6\\
&b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-4\,076\,863\,488\,a^5\,b^7\,\cos\left[\frac{\pi\alpha}{2}\right]^6\\
&\sin\left[\frac{\pi\alpha}{2}\right]^6+9\,003\,073\,536\,a^4\,b^8\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\\
&32\,161\,923\,072\,a^3\,b^9\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\\
&29\,302\,456\,320\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\\
&7\,644\,119\,040\,a\,b^{11}\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-\\
&764\,411\,904\,b^{12}\,\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6-1\,811\,939\,328\,a^6\,b^6\\
&\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8-4\,076\,863\,488\,a^5\,b^7\,\cos\left[\frac{\pi\alpha}{2}\right]^4\\
&\sin\left[\frac{\pi\alpha}{2}\right]^8+3\,142\,582\,272\,a^4\,b^8\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8+\\
&15\,854\,469\,120\,a^3\,b^9\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8+\\
&15\,033\,434\,112\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8+\\
&4\,586\,471\,424\,a\,b^{11}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg)\Bigg]\Bigg]+
\end{aligned}
$$

$$
\begin{aligned}
\sin\Bigg[4\,\mathrm{ArcCos}\Bigg[-\sqrt{\left(\frac{5}{8}-\frac{1}{2}\sqrt{\left(\frac{25}{16}-\frac{33\,b\,\cos\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,\sin\left[\frac{\pi\alpha}{2}\right]^2+33\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\,\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)}+\right.\right.\right.\\
\left(33\,b^2\,\cos\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2+33\,b^2\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\\
\left(48\left(b^2\,\cos\left[\frac{\pi\alpha}{2}\right]^2+b^2\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)+\\
\left(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-32\,a^2\,b^2\,\cos[\pi\alpha]-72\,a\,b^3\,\cos[\pi\alpha]-\right.\\
\left.36\,b^4\,\cos[\pi\alpha]+2\,a^2\,b^2\,\cos[2\,\pi\alpha]\right)\Big/\\
\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^6+82\,944\,a^2\,b^4\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.\\
138\,240\,a\,b^5\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+58\,752\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^4\\
\sin\left[\frac{\pi\alpha}{2}\right]^2+73\,728\,a^3\,b^3\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\\
304\,128\,a^2\,b^4\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5
\end{aligned}
$$

$$\cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$248\,832\, a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$\sqrt{\left(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 -\right.}$$
$$1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 -$$
$$764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$1\,528\,823\,808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808$$
$$b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072$$
$$a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10}$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 -$$
$$1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488$$
$$a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$\left.4\,586\,471\,424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)\Big)^{1/3}\Big) +$$
$$\frac{1}{192 \times 2^{1/3} b^2}\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4\right.$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 +$$
$$58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2$$

$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$387\,072\,a\,b^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$248\,832\,a\,b^5\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 -\right.}$$
$$1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 -$$
$$764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^8$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 +$$
$$1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808$$
$$b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$
$$9\,003\,073\,536\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072$$
$$a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}$$
$$\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 -$$
$$1\,811\,939\,328\,a^6\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488$$
$$a^5\,b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\cos\left[\frac{\pi\alpha}{2}\right]^4$$
$$\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$15\,033\,434\,112\,a^2\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 +$$
$$\left.4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\right)\Big)^{1/3}\Bigg) +$$
$$\frac{1}{2}\sqrt{\left(\frac{25}{8} - \frac{33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} -\right.}$$

$$\left(33\,b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 - 4\,a\,b\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 33\,b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\Big/$$
$$\left(48\left(b^2\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2 + b^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2\right)\right) -$$
$$\left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\text{Cos}[\pi\,\alpha] - 72\,a\,b^3\,\text{Cos}[\pi\,\alpha] -\right.$$
$$\left.36\,b^4\,\text{Cos}[\pi\,\alpha] + 2\,a^2\,b^2\,\text{Cos}[2\,\pi\,\alpha]\right)\Big/$$
$$\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 +\right.\right.$$
$$138\,240\,a\,b^5\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 58\,752\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4$$
$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 +$$
$$304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 387\,072\,a\,b^5$$
$$\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 155\,520\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 +$$
$$65\,536\,a^3\,b^3\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$
$$248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 93\,312\,b^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$
$$\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 -\right.}$$
$$1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 -$$
$$764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8$$
$$\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8$$
$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 13\,504\,610\,304\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 +$$
$$1\,528\,823\,808\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 - 1\,528\,823\,808$$
$$b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6$$
$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$
$$9\,003\,073\,536\,a^4\,b^8\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 32\,161\,923\,072$$
$$a^3\,b^9\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 29\,302\,456\,320\,a^2\,b^{10}$$
$$\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 7\,644\,119\,040\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6$$
$$\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 - 764\,411\,904\,b^{12}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 -$$
$$1\,811\,939\,328\,a^6\,b^6\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 - 4\,076\,863\,488$$

$$a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg) -$$

$$\frac{1}{192 \times 2^{1/3} b^2}\Bigg(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\, a\, b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\, a\, b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\Bigg(-764\,411\,904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13\,504\,610\,304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,528\,823\,808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1\,811\,939\,328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4\,076\,863\,488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9\,003\,073\,536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32\,161\,923\,072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29\,302\,456\,320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7\,644\,119\,040\, a\, b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764\,411\,904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 -$$

$$1\,811\,939\,328\,a^6\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120\,a^3\,b^9\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3} -$$

$$\left(\frac{125}{8} - \left(-9\,b\,\cos\left[\frac{\pi\alpha}{2}\right]^2 + 5\,a\,\sin\left[\frac{\pi\alpha}{2}\right]^2 - 10\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(2\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) - \left(5\left(33\,b\,\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\Big/\left(8\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right)\right)\Big/$$

$$\left(4\sqrt{\left(\frac{25}{16} - \left(33\,b\,\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(33\,b^2\,\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\,\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\Big/\left(48\left(b^2\,\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\,\sin\left[\frac{\pi\alpha}{2}\right]^2\right)\right) + \left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\cos[\pi\alpha] - 72\,a\,b^3\,\cos[\pi\alpha] - 36\,b^4\,\cos[\pi\alpha] + 2\,a^2\,b^2\,\cos[2\pi\alpha]\right)\Big/\left(6\times 2^{2/3}\,b^2\left(-3456\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^6 + 82\,944\,a^2\,b^4\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 138\,240\,a\,b^5\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 304\,128\,a^2\,b^4\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 -\right.}\right)\right)\right)$$

$$1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2} - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^{2} + 5\,860\,491\,264\,a^{4}\,b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 16\,307\,453\,952\,a^{3}\,b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 13\,504\,610\,304\,a^{2}\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 1\,528\,823\,808\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4} - 1\,528\,823\,808\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{8}\sin\left[\frac{\pi\alpha}{2}\right]^{4} - 1\,811\,939\,328\,a^{6}\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} - 4\,076\,863\,488\,a^{5}\,b^{7}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} + 9\,003\,073\,536\,a^{4}\,b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} + 32\,161\,923\,072\,a^{3}\,b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} + 29\,302\,456\,320\,a^{2}\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} + 7\,644\,119\,040\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} - 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^{6}\sin\left[\frac{\pi\alpha}{2}\right]^{6} - 1\,811\,939\,328\,a^{6}\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8} - 4\,076\,863\,488\,a^{5}\,b^{7}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8} + 3\,142\,582\,272\,a^{4}\,b^{8}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8} + 15\,854\,469\,120\,a^{3}\,b^{9}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8} + 15\,033\,434\,112\,a^{2}\,b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8} + 4\,586\,471\,424\,a\,b^{11}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{8}\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{192\times 2^{1/3}\,b^{2}}\left(-3456\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{6} + 82\,944\,a^{2}\,b^{4}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2} + 138\,240\,a\,b^{5}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2} + 58\,752\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{2} + 73\,728\,a^{3}\,b^{3}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 304\,128\,a^{2}\,b^{4}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 387\,072\,a\,b^{5}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 155\,520\,b^{6}\cos\left[\frac{\pi\alpha}{2}\right]^{2}\sin\left[\frac{\pi\alpha}{2}\right]^{4} + 65\,536\,a^{3}\,b^{3}\sin\left[\frac{\pi\alpha}{2}\right]^{6} + 221\,184\,a^{2}\,b^{4}\sin\left[\frac{\pi\alpha}{2}\right]^{6} +$$

$$248\,832\,a\,b^5\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 93\,312\,b^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$

$$\sqrt{\Big(-764\,411\,904\,a^2\,b^{10}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 -}$$

$$1\,528\,823\,808\,a\,b^{11}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 764\,411\,904\,b^{12}$$

$$\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8$$

$$\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 +$$

$$13\,504\,610\,304\,a^2\,b^{10}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 +$$

$$1\,528\,823\,808\,a\,b^{11}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 -$$

$$1\,528\,823\,808\,b^{12}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4 - 1\,811\,939\,328\,a^6$$

$$b^6\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 - 4\,076\,863\,488\,a^5\,b^7\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6$$

$$\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 9\,003\,073\,536\,a^4\,b^8\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$

$$32\,161\,923\,072\,a^3\,b^9\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$

$$29\,302\,456\,320\,a^2\,b^{10}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 +$$

$$7\,644\,119\,040\,a\,b^{11}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 -$$

$$764\,411\,904\,b^{12}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6\,b^6$$

$$\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4$$

$$\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 + 3\,142\,582\,272\,a^4\,b^8\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 +$$

$$15\,854\,469\,120\,a^3\,b^9\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 +$$

$$15\,033\,434\,112\,a^2\,b^{10}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8 +$$

$$4\,586\,471\,424\,a\,b^{11}\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^8\Big)\Big)^{1/3}\Big)\Big)\Big)\Big)\Big]\Big]\Big)\Big)\Big)\Big)^{\frac{1}{\alpha}}$$