$$(*\tau^{*}(\Gamma_1)\ \text{value}*)$$

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

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

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

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

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

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

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

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

$$248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+93\,312\,b^6\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^6+\sqrt{\left(-764\,411\,904\,a^2\,b^{10}\right.}$$

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

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

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

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

$$b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-1\,528\,823\,808\,b^{12}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^8\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4-$$

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

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

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

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

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

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

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

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

$$\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) -$$

$$\frac{1}{2}\sqrt{\left(\frac{25}{8} - \frac{33 b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4 a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33 b \sin\left[\frac{\pi\alpha}{2}\right]^2}{16 b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} -$$

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

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

$$\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 + 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\,\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\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,a\,b^{11}\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^4\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^8\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)}\Bigg)^{1/3} + \left(\frac{125}{8} - \frac{-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}{2\, b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \frac{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)}{8\, b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)}\right)\Bigg/$$

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

$$4\,076\,863\,488\,a^5\,b^7\,\cos\left[\frac{\pi\,\alpha}{2}\right]^4\sin\left[\frac{\pi\,\alpha}{2}\right]^8+3\,142\,582\,272\,a^4\,b^8\,\cos\left[\frac{\pi\,\alpha}{2}\right]^4\sin\left[\frac{\pi\,\alpha}{2}\right]^8+15\,854\,469\,120\,a^3\,b^9\,\cos\left[\frac{\pi\,\alpha}{2}\right]^4\sin\left[\frac{\pi\,\alpha}{2}\right]^8+15\,033\,434\,112\,a^2\,b^{10}\,\cos\left[\frac{\pi\,\alpha}{2}\right]^4\sin\left[\frac{\pi\,\alpha}{2}\right]^8+4\,586\,471\,424\,a\,b^{11}\,\cos\left[\frac{\pi\,\alpha}{2}\right]^4\sin\left[\frac{\pi\,\alpha}{2}\right]^8\Bigg)\Bigg)^{1/3}\Bigg)+\frac{1}{192\times 2^{1/3}\,b^2}$$

$$\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$$

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

$$15\,033\,434\,112\,a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424$$

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

$$\Bigg(2^{\alpha}\,\text{ArcCos}\Bigg[\sqrt{\left(\frac{5}{8} + \frac{1}{2}\sqrt{\left(\frac{25}{16} - \frac{33\,b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \frac{33\,b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4\,a\,b\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33\,b^2\sin\left[\frac{\pi\alpha}{2}\right]^2}{48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \Big(30\,a^2 b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2 b^2\cos[\pi\alpha] -$$

$$72\,a\,b^3\cos[\pi\alpha] - 36\,b^4\cos[\pi\alpha] + 2\,a^2 b^2\cos[2\pi\alpha]\Big)\Big/$$

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

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

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

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

$$155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3 b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 +$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\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)}-\frac{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}{48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2+b^2\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\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+$$

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

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

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

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

$$\left(4\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)} + \frac{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}{48\left(b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2\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\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\right.\right.\right.$$

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

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

$$\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)\Bigg)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg)\Bigg]^{\alpha}$$

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

$$155\,520\,b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^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) +$$

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

$$\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) -$$

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

$$\left(6\times 2^{2/3} b^2 \left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 138240\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58752\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73728\, a^3 b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 304128\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387072\, a b^5 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155520\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65536\, a^3 b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221184\, a^2 b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248832\, a b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93312\, b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764411904\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 1528823808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764411904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5860491264\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16307453952\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13504610304\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1528823808\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1528823808\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1811939328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4076863488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 9003073536\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32161923072\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 29302456320\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 7644119040\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764411904\, b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1811939328\, a^6 b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 - 4076863488\, a^5 b^7 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 3142582272\, a^4 b^8 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15854469120\, a^3 b^9 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15033434112\, a^2 b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4586471424\, a b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^8\right)}\right)^{1/3}\right) -$$

$$\frac{1}{192\times 2^{1/3} b^2}\left(-3456\, b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82944\, a^2 b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4\right.$$

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

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

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

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

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

$$\left.36\,b^4\,\mathrm{Cos}[\pi\,\alpha]+2\,a^2\,b^2\,\mathrm{Cos}[2\,\pi\,\alpha]\right)\Big/\Bigg(6\times 2^{2/3}\,b^2$$

$$\Bigg(-3456\,b^6\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^6+82\,944\,a^2\,b^4\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^4\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2+$$

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

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

$$304\,128\,a^2\,b^4\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+387\,072\,a\,b^5$$

$$\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+155\,520\,b^6\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^2\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+$$

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

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

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

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

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

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

$$b^9\,\mathrm{Cos}\left[\frac{\pi\,\alpha}{2}\right]^8\,\mathrm{Sin}\left[\frac{\pi\,\alpha}{2}\right]^4+13\,504\,610\,304\,a^2\,b^{10}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$
\begin{aligned}
&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 \\
&\quad 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} \\
&\quad \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 + \\
&\quad 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 \\
&\quad 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 \\
&\quad \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 - \\
&\quad 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 \\
&\quad 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 \\
&\quad \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 + \\
&\quad 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 \\
&\quad 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 \\
&\quad \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 - \\
&\quad 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 \\
&\quad 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 \\
&\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 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}{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.} \\
&\quad \frac{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}{48\left(b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 + b^2 \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \\
&\quad \left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - \right. \\
&\qquad \left. 72\, a\, b^3 \cos[\pi\alpha] - 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right) \Big/ \\
&\quad \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.
\end{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 - 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}{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\, 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} +$$

$$\left(\frac{125}{8}-\frac{-9\,b\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+5\,a\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2-10\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2}{2\,b\left(\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}-\right.$$

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

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

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

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

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

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

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

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

$$304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$b^6\,\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^4 \mathrm{Sin}\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5\,b^7\,\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^4$$

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

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

$$15\,033\,434\,112\,a^2\,b^{10}\,\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^4 \mathrm{Sin}\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424$$

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

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

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

$$\Big(30\,a^2\,b^2+72\,a\,b^3+45\,b^4-32\,a^2\,b^2\,\mathrm{Cos}[\pi\alpha]-$$

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

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

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

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

$$304\,128\,a^2\,b^4\,\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^2 \mathrm{Sin}\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5$$

$$\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^2 \mathrm{Sin}\left[\frac{\pi\alpha}{2}\right]^4+155\,520\,b^6\,\mathrm{Cos}\left[\frac{\pi\alpha}{2}\right]^2 \mathrm{Sin}\left[\frac{\pi\alpha}{2}\right]^4+$$

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

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

$$\sqrt{\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)\Bigg)^{1/3}\Bigg)+$$

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

$$\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) -$$

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

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

$$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\,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} - \frac{-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}{2\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} -$$

$$\frac{5\left(33\,b\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2-4\,a\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2+33\,b\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}{8\,b\left(\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2+\text{Sin}\left[\frac{\pi\alpha}{2}\right]^2\right)}\Bigg)\Bigg/$$

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

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

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

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

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

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

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

$$304\,128\,a^2\,b^4\,\text{Cos}\left[\frac{\pi\alpha}{2}\right]^2\,\text{Sin}\left[\frac{\pi\alpha}{2}\right]^4+387\,072\,a\,b^5$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\begin{aligned}
&\sin\Bigg[4\,\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.\left.\frac{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}{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.\left.\left(30\, a^2 b^2 + 72\, a\, b^3 + 45\, b^4 - 32\, a^2 b^2 \cos[\pi\alpha] - \right.\right.\right. \\
&\left.\left.\left. 72\, a\, b^3 \cos[\pi\alpha] - 36\, b^4 \cos[\pi\alpha] + 2\, a^2 b^2 \cos[2\pi\alpha]\right) \Big/ \right.\right. \\
&\left.\left.\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.\right.\right. \\
&\left.\left.\left.\left. 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 \right.\right.\right.\right. \\
&\left.\left.\left.\left. \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 + \right.\right.\right.\right. \\
&\left.\left.\left.\left. 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 \right.\right.\right.\right. \\
&\left.\left.\left.\left. \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 + \right.\right.\right.\right. \\
&\left.\left.\left.\left. 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 + \right.\right.\right.\right. \\
&\left.\left.\left.\left. 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 + \right.\right.\right.\right. \\
&\left.\left.\left.\left. \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.}\right.\right.\right.\right.
\end{aligned}$$

$$
\begin{aligned}
&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}\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
\end{aligned}
$$

$$
\begin{aligned}
&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) -
\end{aligned}
$$

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

$$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)}\Bigg)^{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\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} - \frac{-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}{2\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \frac{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)}{8\,b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)}\right) /$$

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

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

$$\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$$

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