

(\*τ\*(Γ<sub>1</sub>) value\*)

$$\begin{aligned}
 & \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 \cos \left[ \frac{\pi \alpha}{2} \right]^2 - 4 a \sin \left[ \frac{\pi \alpha}{2} \right]^2 + 33 b \sin \left[ \frac{\pi \alpha}{2} \right]^2}{16 b \left( \cos \left[ \frac{\pi \alpha}{2} \right]^2 + \sin \left[ \frac{\pi \alpha}{2} \right]^2 \right)} + \right.} \right. \right. \right. \right. \\
 & \quad \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)} + (30 a^2 b^2 + 72 a b^3 + 45 b^4 - \right. \\
 & \quad \left. \left. 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) \right] / \\
 & \quad \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 + \right. \right. \\
 & \quad 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 + \\
 & \quad 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 + \\
 & \quad 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 + \\
 & \quad 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 + \\
 & \quad 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} \right. \\
 & \quad \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 - \\
 & \quad 764411904 b^{12} \cos \left[ \frac{\pi \alpha}{2} \right]^{10} \sin \left[ \frac{\pi \alpha}{2} \right]^2 + 5860491264 a^4 b^8 \\
 & \quad \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 + \\
 & \quad 13504610304 a^2 b^{10} \cos \left[ \frac{\pi \alpha}{2} \right]^8 \sin \left[ \frac{\pi \alpha}{2} \right]^4 + 1528823808 a \\
 & \quad 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 - \\
 & \quad 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 \\
 & \quad \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 + \\
 & \quad 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} \\
 & \quad \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 - \\
 & \quad 764411904 b^{12} \cos \left[ \frac{\pi \alpha}{2} \right]^6 \sin \left[ \frac{\pi \alpha}{2} \right]^6 - 1811939328 a^6 b^6 \\
 & \quad \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 + \\
 & \quad \left. \left. 3142582272 a^4 b^8 \cos \left[ \frac{\pi \alpha}{2} \right]^4 \sin \left[ \frac{\pi \alpha}{2} \right]^8 + 15854469120 \right) \right)
 \end{aligned}$$

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

$$\begin{aligned}
& \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)} - \\
& (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]) / \\
& \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 + \right. \right. \\
& 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} \right.} \\
& \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 \\
& \left. \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)^{1/3} \Big) -
\end{aligned}$$

$$\begin{aligned}
& \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 \sin\left[\frac{\pi \alpha}{2}\right]^2 + \right. \\
& 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 - \right.} \\
& 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 \left. \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)} - \right. \\
& \left. \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) /
\end{aligned}$$

$$\begin{aligned}
& \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. \\
& \quad \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. \\
& \quad \left. \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. \right. \\
& \quad \left. \left. 36 b^4 \cos[\pi \alpha] + 2 a^2 b^2 \cos[2 \pi \alpha] \right) \right) / \left( 6 \times 2^{2/3} b^2 \right. \\
& \quad \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 \right. \\
& \quad \left. 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 + \right. \\
& \quad \left. 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 \right. \\
& \quad \left. \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 \right. \\
& \quad \left. \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 \right. \\
& \quad \left. \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 + \right. \\
& \quad \left. \sqrt{\left( -764411904 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^{10} \sin\left[\frac{\pi \alpha}{2}\right]^2 - 1528823808 \right.} \right. \\
& \quad \left. 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} \right. \\
& \quad \left. \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 + \right. \\
& \quad \left. 16307453952 a^3 b^9 \cos\left[\frac{\pi \alpha}{2}\right]^8 \sin\left[\frac{\pi \alpha}{2}\right]^4 + 13504610304 \right. \\
& \quad \left. 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 \right. \\
& \quad \left. \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 - \right. \\
& \quad \left. 1811939328 a^6 b^6 \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 - 4076863488 \right. \\
& \quad \left. 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 \right. \\
& \quad \left. \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 + \right. \\
& \quad \left. 29302456320 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 + 7644119040 \right. \\
& \quad \left. 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 \right. \\
& \quad \left. \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 - \right.
\end{aligned}$$

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

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

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



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

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

$$\begin{aligned}
& 764\,411\,904\,b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 1\,811\,939\,328\,a^6b^6 \\
& \cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4\,076\,863\,488\,a^5b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + \\
& 3\,142\,582\,272\,a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,854\,469\,120 \\
& a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15\,033\,434\,112\,a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4 \\
& \sin\left[\frac{\pi\alpha}{2}\right]^8 + 4\,586\,471\,424\,ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 \Big)^{1/3} + \\
& \left( \frac{125}{8} - \frac{-9b\cos\left[\frac{\pi\alpha}{2}\right]^2 + 5a\sin\left[\frac{\pi\alpha}{2}\right]^2 - 10b\sin\left[\frac{\pi\alpha}{2}\right]^2}{2b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \right. \\
& \left. \frac{5\left(33b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b\sin\left[\frac{\pi\alpha}{2}\right]^2\right)}{8b\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{33b\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \right. \right. \\
& \left. \left. \frac{33b^2\cos\left[\frac{\pi\alpha}{2}\right]^2 - 4ab\sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b^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( 30a^2b^2 + 72ab^3 + 45b^4 - 32a^2b^2\cos[\pi\alpha] - 72ab^3\cos[\pi\alpha] - \right. \right. \\
& \left. \left. 36b^4\cos[\pi\alpha] + 2a^2b^2\cos[2\pi\alpha] \right) \right) / \left( 6 \times 2^{2/3}b^2 \right. \\
& \left( -3456b^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 + \right. \\
& 138\,240\,ab^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\,ab^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& 155\,520\,b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3b^3\sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& 221\,184\,a^2b^4\sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,ab^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^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2 - \right. \\
& 1\,528\,823\,808\,ab^{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^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^8
\end{aligned}$$

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

$$\begin{aligned} & \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5860491264a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + \\ & 16307453952a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 13504610304 \\ & a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 + 1528823808ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^8 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1528823808b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^8\sin\left[\frac{\pi\alpha}{2}\right]^4 - \\ & 1811939328a^6b^6\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 4076863488 \\ & a^5b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 9003073536a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^6 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^6 + 32161923072a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \\ & 29302456320a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7644119040 \\ & ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - 764411904b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^6 - 1811939328a^6b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - \\ & 4076863488a^5b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3142582272 \\ & a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 15854469120a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^4 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15033434112a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + \\ & 4586471424ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8\bigg)^{1/3}\bigg)^{\alpha} \\ & \left(-\cos\left[2\operatorname{ArcCos}\left[\sqrt{\frac{5}{8}+\frac{1}{2}\sqrt{\left(\frac{25}{16}-\frac{33b\cos\left[\frac{\pi\alpha}{2}\right]^2-4a\sin\left[\frac{\pi\alpha}{2}\right]^2+33b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)}}\right]}+\right.\right.\right. \\ & \left.\left.\frac{33b^2\cos\left[\frac{\pi\alpha}{2}\right]^2-4ab\sin\left[\frac{\pi\alpha}{2}\right]^2+33b^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.(30a^2b^2+72ab^3+45b^4-32a^2b^2\cos[\pi\alpha]-\right.\right. \\ & \left.\left.72ab^3\cos[\pi\alpha]-36b^4\cos[\pi\alpha]+2a^2b^2\cos[2\pi\alpha])\right)/\right. \\ & \left.\left(6\times 2^{2/3}b^2\left(-3456b^6\cos\left[\frac{\pi\alpha}{2}\right]^6+82944a^2b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.\right. \\ & \left.\left.138240ab^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+58752b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\right.\right. \\ & \left.\left.\sin\left[\frac{\pi\alpha}{2}\right]^2+73728a^3b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+304128a^2b^4\right.\right. \\ & \left.\left.\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+387072ab^5\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\right.\right. \end{aligned}$$

$$\begin{aligned}
& 155\,520\,b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 65\,536\,a^3\,b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& 221\,184\,a^2\,b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 248\,832\,a\,b^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6 \\
& \sin\left[\frac{\pi\alpha}{2}\right]^6 + \sqrt{\left(-764\,411\,904\,a^2\,b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \right.} \\
& \quad 1\,528\,823\,808\,a\,b^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - 764\,411\,904\,b^{12} \\
& \quad \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5\,860\,491\,264\,a^4\,b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \\
& \quad \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16\,307\,453\,952\,a^3\,b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& \quad 13\,504\,610\,304\,a^2\,b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1\,528\,823\,808 \\
& \quad 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 \\
& \quad \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 - \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 \left.\right)^{1/3}} + \\
& \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. \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad \left. 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 \right)
\end{aligned}$$

$$\begin{aligned}
& \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.} \\
& \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 \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)^{1/3}} - \\
& \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. \left(30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\cos[\pi\alpha] - \right. \right. \\
& \quad \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)\right)/
\end{aligned}$$

$$\begin{aligned}
& \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 + \right. \right. \\
& \quad 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 \\
& \quad \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 \\
& \quad \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 + \\
& \quad 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 + \\
& \quad 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 \\
& \quad \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 - \right.} \\
& \quad 1528823808 a b^{11} \cos\left[\frac{\pi \alpha}{2}\right]^{10} \sin\left[\frac{\pi \alpha}{2}\right]^2 - 764411904 b^{12} \\
& \quad \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 \\
& \quad \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 + \\
& \quad 13504610304 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^8 \sin\left[\frac{\pi \alpha}{2}\right]^4 + 1528823808 \\
& \quad 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 \\
& \quad \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 - \\
& \quad 4076863488 a^5 b^7 \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 + 9003073536 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 7644119040 a b^{11} \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 - 764411904 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 3142582272 a^4 b^8 \cos\left[\frac{\pi \alpha}{2}\right]^4 \sin\left[\frac{\pi \alpha}{2}\right]^8 + 15854469120 \\
& \quad 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 \\
& \quad \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 \left. \right)^{1/3} \left. \right) - \\
& \quad \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.
\end{aligned}$$



$$\begin{aligned}
& \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.} \\
& \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 \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)^{1/3} +
\end{aligned}$$

$$\begin{aligned}
& \left( \frac{125}{8} - \frac{-9b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10b \sin\left[\frac{\pi\alpha}{2}\right]^2}{2b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \right. \\
& \quad \left. \frac{5 \left(33b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)}{8b \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{33b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b \sin\left[\frac{\pi\alpha}{2}\right]^2}{16b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \right. \right. \\
& \quad \left. \frac{33b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4ab \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b^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. \\
& \quad \left. \left( 30a^2b^2 + 72ab^3 + 45b^4 - 32a^2b^2 \cos[\pi\alpha] - 72ab^3 \cos[\pi\alpha] - \right. \right. \\
& \quad \left. \left. 36b^4 \cos[\pi\alpha] + 2a^2b^2 \cos[2\pi\alpha] \right) \right) / \left( 6 \times 2^{2/3} b^2 \right. \\
& \quad \left( -3456b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82944a^2b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + \right. \\
& \quad 138240ab^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58752b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
& \quad \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73728a^3b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& \quad 304128a^2b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387072ab^5 \\
& \quad \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155520b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& \quad 65536a^3b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221184a^2b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& \quad 248832ab^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93312b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& \quad \sqrt{\left( -764411904a^2b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \right. \\
& \quad 1528823808ab^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \\
& \quad 764411904b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5860491264 \\
& \quad a^4b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16307453952a^3 \\
& \quad b^9 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13504610304a^2b^{10} \\
& \quad \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1528823808ab^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \\
& \quad \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1528823808b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - \\
& \quad \left. 1811939328a^6b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - \right.
\end{aligned}$$

$$\begin{aligned}
& 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)^{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 +
\end{aligned}$$

$$\begin{aligned} & 1\,528\,823\,808\,a^{11}\cos^7\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right] - 1\,528\,823\,808 \\ & b^{12}\cos^8\left[\frac{\pi\alpha}{2}\right]\sin^4\left[\frac{\pi\alpha}{2}\right] - 1\,811\,939\,328\,a^6b^6\cos^6\left[\frac{\pi\alpha}{2}\right] \\ & \sin^6\left[\frac{\pi\alpha}{2}\right] - 4\,076\,863\,488\,a^5b^7\cos^6\left[\frac{\pi\alpha}{2}\right]\sin^6\left[\frac{\pi\alpha}{2}\right] + \\ & 9\,003\,073\,536\,a^4b^8\cos^6\left[\frac{\pi\alpha}{2}\right]\sin^6\left[\frac{\pi\alpha}{2}\right] + 32\,161\,923\,072 \\ & a^3b^9\cos^6\left[\frac{\pi\alpha}{2}\right]\sin^6\left[\frac{\pi\alpha}{2}\right] + 29\,302\,456\,320\,a^2b^{10} \\ & \cos^6\left[\frac{\pi\alpha}{2}\right]\sin^6\left[\frac{\pi\alpha}{2}\right] + 7\,644\,119\,040\,ab^{11}\cos^6\left[\frac{\pi\alpha}{2}\right] \\ & \sin^6\left[\frac{\pi\alpha}{2}\right] - 764\,411\,904\,b^{12}\cos^6\left[\frac{\pi\alpha}{2}\right]\sin^6\left[\frac{\pi\alpha}{2}\right] - \\ & 1\,811\,939\,328\,a^6b^6\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right] - 4\,076\,863\,488 \\ & a^5b^7\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right] + 3\,142\,582\,272\,a^4b^8 \\ & \cos^4\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right] + 15\,854\,469\,120\,a^3b^9\cos^4\left[\frac{\pi\alpha}{2}\right] \\ & \sin^8\left[\frac{\pi\alpha}{2}\right] + 15\,033\,434\,112\,a^2b^{10}\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right] + \\ & 4\,586\,471\,424\,ab^{11}\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^8\left[\frac{\pi\alpha}{2}\right]^{1/3}})^{1/3}})^{1/3}})^{1/3}})^{1/3}})] + \\ & \cos\left[4\operatorname{ArcCos}\left[\sqrt{\left(\frac{5}{8}+\frac{1}{2}\sqrt{\left(\frac{25}{16}-\frac{33b\cos^2\left[\frac{\pi\alpha}{2}\right]-4a\sin^2\left[\frac{\pi\alpha}{2}\right]+33b\sin^2\left[\frac{\pi\alpha}{2}\right]^2}{16b\left(\cos^2\left[\frac{\pi\alpha}{2}\right]+\sin^2\left[\frac{\pi\alpha}{2}\right]^2\right)}+\right.\right.}\right.}\right.}\right.}\right.}\right.}\right.} \\ & \left.\frac{33b^2\cos^2\left[\frac{\pi\alpha}{2}\right]-4ab\sin^2\left[\frac{\pi\alpha}{2}\right]+33b^2\sin^2\left[\frac{\pi\alpha}{2}\right]^2}{48\left(b^2\cos^2\left[\frac{\pi\alpha}{2}\right]+b^2\sin^2\left[\frac{\pi\alpha}{2}\right]^2\right)}+\right. \\ & \left.(30a^2b^2+72ab^3+45b^4-32a^2b^2\cos[\pi\alpha]-\right. \\ & \left.72ab^3\cos[\pi\alpha]-36b^4\cos[\pi\alpha]+2a^2b^2\cos[2\pi\alpha])\right]/ \\ & \left(6\times 2^{2/3}b^2\left(-3456b^6\cos^6\left[\frac{\pi\alpha}{2}\right]+82\,944a^2b^4\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^2+\right.\right. \\ & 138\,240ab^5\cos^4\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^2+58\,752b^6\cos^4\left[\frac{\pi\alpha}{2}\right] \\ & \sin^2\left[\frac{\pi\alpha}{2}\right]^2+73\,728a^3b^3\cos^2\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^4+ \\ & 304\,128a^2b^4\cos^2\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^4+387\,072ab^5 \\ & \cos^2\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^4+155\,520b^6\cos^2\left[\frac{\pi\alpha}{2}\right]\sin^2\left[\frac{\pi\alpha}{2}\right]^4+ \\ & \left.65\,536a^3b^3\sin^2\left[\frac{\pi\alpha}{2}\right]^6+221\,184a^2b^4\sin^2\left[\frac{\pi\alpha}{2}\right]^6+\right. \end{aligned}$$

$$\begin{aligned}
& 248\,832\,a\,b^5\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + 93\,312\,b^6\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^6 + \\
& \sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\text{Cos}\left[\frac{\pi\,\alpha}{2}\right]^{10}\,\text{Sin}\left[\frac{\pi\,\alpha}{2}\right]^2 - 1\,528\,823\,808\right.} \\
& \quad 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} \\
& \quad \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 + \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 - \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 - \\
& \quad 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 \\
& \quad 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 \\
& \quad \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 + \\
& \quad \left.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} + \\
& \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 \right. \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad \left. \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 + \right.
\end{aligned}$$

$$\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{\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.} \\
& \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 \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)^{1/3}} - \\
& \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 (30\,a^2\,b^2 + 72\,a\,b^3 + 45\,b^4 - 32\,a^2\,b^2\,\cos[\pi\alpha] - \\
& \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) / \\
& \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}$$

$$\begin{aligned}
& 138\,240\,a\,b^5\,\cos\left[\frac{\pi\alpha}{2}\right]^4\,\sin\left[\frac{\pi\alpha}{2}\right]^2 + 58\,752\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^4 \\
& \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73\,728\,a^3\,b^3\,\cos\left[\frac{\pi\alpha}{2}\right]^2\,\sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& 304\,128\,a^2\,b^4\,\cos\left[\frac{\pi\alpha}{2}\right]^2\,\sin\left[\frac{\pi\alpha}{2}\right]^4 + 387\,072\,a\,b^5 \\
& \cos\left[\frac{\pi\alpha}{2}\right]^2\,\sin\left[\frac{\pi\alpha}{2}\right]^4 + 155\,520\,b^6\,\cos\left[\frac{\pi\alpha}{2}\right]^2\,\sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& 65\,536\,a^3\,b^3\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + 221\,184\,a^2\,b^4\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& 248\,832\,a\,b^5\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + 93\,312\,b^6\,\sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& \sqrt{\left(-764\,411\,904\,a^2\,b^{10}\,\cos\left[\frac{\pi\alpha}{2}\right]^{10}\,\sin\left[\frac{\pi\alpha}{2}\right]^2 - 1\,528\,823\,808\right.} \\
& \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 \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)^{1/3}} - \\
& \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.
\end{aligned}$$

$$\begin{aligned}
& \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.} \\
& \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 \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)^{1/3} +
\end{aligned}$$



$$\begin{aligned}
& \left( \frac{125}{8} - \frac{-9b \cos\left[\frac{\pi\alpha}{2}\right]^2 + 5a \sin\left[\frac{\pi\alpha}{2}\right]^2 - 10b \sin\left[\frac{\pi\alpha}{2}\right]^2}{2b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} - \right. \\
& \quad \left. \frac{5 \left(33b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b \sin\left[\frac{\pi\alpha}{2}\right]^2\right)}{8b \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{33b \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4a \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b \sin\left[\frac{\pi\alpha}{2}\right]^2}{16b \left(\cos\left[\frac{\pi\alpha}{2}\right]^2 + \sin\left[\frac{\pi\alpha}{2}\right]^2\right)} + \right. \right. \\
& \quad \left. \frac{33b^2 \cos\left[\frac{\pi\alpha}{2}\right]^2 - 4ab \sin\left[\frac{\pi\alpha}{2}\right]^2 + 33b^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. \\
& \quad \left. \left(30a^2b^2 + 72ab^3 + 45b^4 - 32a^2b^2 \cos[\pi\alpha] - 72ab^3 \cos[\pi\alpha] - \right. \right. \\
& \quad \left. \left. 36b^4 \cos[\pi\alpha] + 2a^2b^2 \cos[2\pi\alpha] \right) \right) / \left( 6 \times 2^{2/3} b^2 \right. \\
& \quad \left( -3456b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 + 82944a^2b^4 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + \right. \\
& \quad 138240ab^5 \cos\left[\frac{\pi\alpha}{2}\right]^4 \sin\left[\frac{\pi\alpha}{2}\right]^2 + 58752b^6 \cos\left[\frac{\pi\alpha}{2}\right]^4 \\
& \quad \sin\left[\frac{\pi\alpha}{2}\right]^2 + 73728a^3b^3 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& \quad 304128a^2b^4 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 387072ab^5 \\
& \quad \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 155520b^6 \cos\left[\frac{\pi\alpha}{2}\right]^2 \sin\left[\frac{\pi\alpha}{2}\right]^4 + \\
& \quad 65536a^3b^3 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 221184a^2b^4 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& \quad 248832ab^5 \sin\left[\frac{\pi\alpha}{2}\right]^6 + 93312b^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 + \\
& \quad \sqrt{\left( -764411904a^2b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \right. \\
& \quad 1528823808ab^{11} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 - \\
& \quad 764411904b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^{10} \sin\left[\frac{\pi\alpha}{2}\right]^2 + 5860491264 \\
& \quad a^4b^8 \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 16307453952a^3b^9 \\
& \quad \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 + 13504610304a^2b^{10} \cos\left[\frac{\pi\alpha}{2}\right]^8 \\
& \quad \sin\left[\frac{\pi\alpha}{2}\right]^4 + 1528823808ab^{11} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - \\
& \quad 1528823808b^{12} \cos\left[\frac{\pi\alpha}{2}\right]^8 \sin\left[\frac{\pi\alpha}{2}\right]^4 - 1811939328 \\
& \quad \left. \left. a^6b^6 \cos\left[\frac{\pi\alpha}{2}\right]^6 \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4076863488a^5b^7 \right) \right)
\end{aligned}$$

$$\begin{aligned}
& \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)^{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 + \\
& \left. 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 \right)
\end{aligned}$$

$$\begin{aligned} & b^{12} \cos\left[\frac{\pi}{2}\alpha\right]^8 \sin\left[\frac{\pi}{2}\alpha\right]^4 - 1811939328 a^6 b^6 \cos\left[\frac{\pi}{2}\alpha\right]^6 \\ & \sin\left[\frac{\pi}{2}\alpha\right]^6 - 4076863488 a^5 b^7 \cos\left[\frac{\pi}{2}\alpha\right]^6 \sin\left[\frac{\pi}{2}\alpha\right]^6 + \\ & 9003073536 a^4 b^8 \cos\left[\frac{\pi}{2}\alpha\right]^6 \sin\left[\frac{\pi}{2}\alpha\right]^6 + 32161923072 a^3 \\ & b^9 \cos\left[\frac{\pi}{2}\alpha\right]^6 \sin\left[\frac{\pi}{2}\alpha\right]^6 + 29302456320 a^2 b^{10} \cos\left[\frac{\pi}{2}\alpha\right]^6 \\ & \sin\left[\frac{\pi}{2}\alpha\right]^6 + 7644119040 a b^{11} \cos\left[\frac{\pi}{2}\alpha\right]^6 \sin\left[\frac{\pi}{2}\alpha\right]^6 - \\ & 764411904 b^{12} \cos\left[\frac{\pi}{2}\alpha\right]^6 \sin\left[\frac{\pi}{2}\alpha\right]^6 - 1811939328 a^6 \\ & b^6 \cos\left[\frac{\pi}{2}\alpha\right]^4 \sin\left[\frac{\pi}{2}\alpha\right]^8 - 4076863488 a^5 b^7 \cos\left[\frac{\pi}{2}\alpha\right]^4 \\ & \sin\left[\frac{\pi}{2}\alpha\right]^8 + 3142582272 a^4 b^8 \cos\left[\frac{\pi}{2}\alpha\right]^4 \sin\left[\frac{\pi}{2}\alpha\right]^8 + \\ & 15854469120 a^3 b^9 \cos\left[\frac{\pi}{2}\alpha\right]^4 \sin\left[\frac{\pi}{2}\alpha\right]^8 + \\ & 15033434112 a^2 b^{10} \cos\left[\frac{\pi}{2}\alpha\right]^4 \sin\left[\frac{\pi}{2}\alpha\right]^8 + 4586471424 \\ & ab^{11} \cos\left[\frac{\pi}{2}\alpha\right]^4 \sin\left[\frac{\pi}{2}\alpha\right]^8) )^{(1/3)}))))) \Bigg] \sin\left[\frac{\pi}{2}\alpha\right] / \end{aligned}$$

$$\begin{aligned} & \left( -\sin \left[ 2 \operatorname{ArcCos} \left[ \sqrt{\left( \frac{5}{8} + \frac{1}{2} \sqrt{\left( \frac{25}{16} - \frac{33 b \cos \left[ \frac{\pi \alpha}{2} \right]^2 - 4 a \sin \left[ \frac{\pi \alpha}{2} \right]^2 + 33 b \sin \left[ \frac{\pi \alpha}{2} \right]^2}{16 b \left( \cos \left[ \frac{\pi \alpha}{2} \right]^2 + \sin \left[ \frac{\pi \alpha}{2} \right]^2 \right)} \right]} \right] \right. \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) \right] \right. \\ & \left. \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 + \right. \right. \right. \\ & 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 + \\ & \left. \left. \left. 248832 a b^5 \sin \left[ \frac{\pi \alpha}{2} \right]^6 + 93312 b^6 \sin \left[ \frac{\pi \alpha}{2} \right]^6 \right) \right] \right) \end{aligned}$$

$$\begin{aligned}
& \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. \\
& \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 \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)^{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. \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad \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) +
\end{aligned}$$

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

$$\begin{aligned}
& \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.} \\
& \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 \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)^{1/3}} - \\
& \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. \\
& \quad \left. \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 + \right.
\end{aligned}$$

$$\begin{aligned}
& 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.} \\
& \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 \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)^{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)} - \right.
\end{aligned}$$

$$\begin{aligned}
& \left. \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 \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. \\
& \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. \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. \right. \\
& \quad \left. \left. 36 b^4 \cos [\pi \alpha] + 2 a^2 b^2 \cos [2 \pi \alpha] \right) \right) / \left( 6 \times 2^{2/3} b^2 \right. \\
& \quad \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 + \right. \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 + \\
& \quad 248832 a b^5 \sin \left[ \frac{\pi \alpha}{2} \right]^6 + 93312 b^6 \sin \left[ \frac{\pi \alpha}{2} \right]^6 + \\
& \quad \left. \sqrt{\left( -764411904 a^2 b^{10} \cos \left[ \frac{\pi \alpha}{2} \right]^{10} \sin \left[ \frac{\pi \alpha}{2} \right]^2 - \right. \right. \\
& \quad 1528823808 a b^{11} \cos \left[ \frac{\pi \alpha}{2} \right]^{10} \sin \left[ \frac{\pi \alpha}{2} \right]^2 - 764411904 b^{12} \\
& \quad \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 \\
& \quad \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 + \\
& \quad 13504610304 a^2 b^{10} \cos \left[ \frac{\pi \alpha}{2} \right]^8 \sin \left[ \frac{\pi \alpha}{2} \right]^4 + \\
& \quad 1528823808 a b^{11} \cos \left[ \frac{\pi \alpha}{2} \right]^8 \sin \left[ \frac{\pi \alpha}{2} \right]^4 - \\
& \quad 1528823808 b^{12} \cos \left[ \frac{\pi \alpha}{2} \right]^8 \sin \left[ \frac{\pi \alpha}{2} \right]^4 - 1811939328 a^6 \\
& \quad 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 \\
& \quad \left. \left. \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 + \right. \right.
\end{aligned}$$



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

$$\begin{aligned} & \sin\left[\frac{\pi\alpha}{2}\right]^6 - 4076863488a^5b^7\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + \\ & 9003073536a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 32161923072 \\ & a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 29302456320a^2b^{10} \\ & \cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 + 7644119040ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^6 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^6 - 764411904b^{12}\cos\left[\frac{\pi\alpha}{2}\right]^6\sin\left[\frac{\pi\alpha}{2}\right]^6 - \\ & 1811939328a^6b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 - 4076863488 \\ & a^5b^7\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + 3142582272a^4b^8\cos\left[\frac{\pi\alpha}{2}\right]^4 \\ & \sin\left[\frac{\pi\alpha}{2}\right]^8 + 15854469120a^3b^9\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + \\ & 15033434112a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8 + \\ & 4586471424ab^{11}\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^8)^{1/3}}] + \\ & \sin\left[4\operatorname{ArcCos}\left[\sqrt{\left(\frac{5}{8}+\frac{1}{2}\sqrt{\left(\frac{25}{16}-\frac{33b\cos\left[\frac{\pi\alpha}{2}\right]^2-4a\sin\left[\frac{\pi\alpha}{2}\right]^2+33b\sin\left[\frac{\pi\alpha}{2}\right]^2}{16b\left(\cos\left[\frac{\pi\alpha}{2}\right]^2+\sin\left[\frac{\pi\alpha}{2}\right]^2\right)}+\right.\right.}\right.\right. \\ & \left.\left.\frac{33b^2\cos\left[\frac{\pi\alpha}{2}\right]^2-4ab\sin\left[\frac{\pi\alpha}{2}\right]^2+33b^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.(30a^2b^2+72ab^3+45b^4-32a^2b^2\cos[\pi\alpha]-\right.\right. \\ & \left.\left.72ab^3\cos[\pi\alpha]-36b^4\cos[\pi\alpha]+2a^2b^2\cos[2\pi\alpha])\right)/\right. \\ & \left.\left(6\times 2^{2/3}b^2\left(-3456b^6\cos\left[\frac{\pi\alpha}{2}\right]^6+82944a^2b^4\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+\right.\right.\right. \\ & \left.\left.\left.138240ab^5\cos\left[\frac{\pi\alpha}{2}\right]^4\sin\left[\frac{\pi\alpha}{2}\right]^2+58752b^6\cos\left[\frac{\pi\alpha}{2}\right]^4\right.\right.\right. \\ & \left.\left.\left.\sin\left[\frac{\pi\alpha}{2}\right]^2+73728a^3b^3\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\right.\right.\right. \\ & \left.\left.\left.304128a^2b^4\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+387072ab^5\right.\right.\right. \\ & \left.\left.\left.\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+155520b^6\cos\left[\frac{\pi\alpha}{2}\right]^2\sin\left[\frac{\pi\alpha}{2}\right]^4+\right.\right.\right. \\ & \left.\left.\left.65536a^3b^3\sin\left[\frac{\pi\alpha}{2}\right]^6+221184a^2b^4\sin\left[\frac{\pi\alpha}{2}\right]^6+\right.\right.\right. \\ & \left.\left.\left.248832ab^5\sin\left[\frac{\pi\alpha}{2}\right]^6+93312b^6\sin\left[\frac{\pi\alpha}{2}\right]^6+\right.\right.\right. \\ & \left.\left.\left.\sqrt{\left(-764411904a^2b^{10}\cos\left[\frac{\pi\alpha}{2}\right]^{10}\sin\left[\frac{\pi\alpha}{2}\right]^2-1528823808\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 \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 + \\
& \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.
\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)^{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)} - \right.} \\
& \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. \\
& \left. (30 a^2 b^2 + 72 a b^3 + 45 b^4 - 32 a^2 b^2 \cos[\pi \alpha] - \right. \\
& \left. 72 a b^3 \cos[\pi \alpha] - 36 b^4 \cos[\pi \alpha] + 2 a^2 b^2 \cos[2 \pi \alpha]) \right) / \\
& \left( 6 \times 2^{2/3} b^2 \left( -3456 b^6 \cos\left[\frac{\pi \alpha}{2}\right]^6 + 82\,944 a^2 b^4 \cos\left[\frac{\pi \alpha}{2}\right]^4 \sin\left[\frac{\pi \alpha}{2}\right]^2 + \right. \right. \\
& 138\,240 a b^5 \cos\left[\frac{\pi \alpha}{2}\right]^4 \sin\left[\frac{\pi \alpha}{2}\right]^2 + 58\,752 b^6 \cos\left[\frac{\pi \alpha}{2}\right]^4 \\
& \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}$$

$$\begin{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\right.} \\
& \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 \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)^{1/3}} - \\
& \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. \\
& \quad \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 + \\
& \quad \left. 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 \right)
\end{aligned}$$

$$\begin{aligned}
& \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.} \\
& \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\,a^4 \\
& \quad 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 \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)^{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)} - \right. \\
& \quad \left. \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) /
\end{aligned}$$

$$\begin{aligned}
& \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. \\
& \quad \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. \\
& \quad \left. \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. \right. \\
& \quad \left. \left. 36 b^4 \cos[\pi \alpha] + 2 a^2 b^2 \cos[2 \pi \alpha] \right) \right) / \left( 6 \times 2^{2/3} b^2 \right. \\
& \quad \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 + \right. \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 \\
& \quad \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 + \\
& \quad 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 + \\
& \quad 248832 a b^5 \sin\left[\frac{\pi \alpha}{2}\right]^6 + 93312 b^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 + \\
& \quad \left. \sqrt{\left( -764411904 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^{10} \sin\left[\frac{\pi \alpha}{2}\right]^2 - \right. \right. \\
& \quad 1528823808 a b^{11} \cos\left[\frac{\pi \alpha}{2}\right]^{10} \sin\left[\frac{\pi \alpha}{2}\right]^2 - 764411904 b^{12} \\
& \quad \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 \\
& \quad \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 + \\
& \quad 13504610304 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^8 \sin\left[\frac{\pi \alpha}{2}\right]^4 + \\
& \quad 1528823808 a b^{11} \cos\left[\frac{\pi \alpha}{2}\right]^8 \sin\left[\frac{\pi \alpha}{2}\right]^4 - \\
& \quad 1528823808 b^{12} \cos\left[\frac{\pi \alpha}{2}\right]^8 \sin\left[\frac{\pi \alpha}{2}\right]^4 - 1811939328 a^6 \\
& \quad 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 \\
& \quad \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 + \\
& \quad 32161923072 a^3 b^9 \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 + \\
& \quad \left. 29302456320 a^2 b^{10} \cos\left[\frac{\pi \alpha}{2}\right]^6 \sin\left[\frac{\pi \alpha}{2}\right]^6 + 7644119040 \right)
\end{aligned}$$

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



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