$$
-\Bigg(\Big(-3\times 2^{\alpha_1+\alpha_2}\cos\Big[\frac{\pi\alpha_1}{3}\Big]-3\times 2^{\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]-9\times 2^{\alpha_1+\alpha_2}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_2}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_2}{3}\Big]-3\times 2^{\alpha_1+\alpha_3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]-9\times 2^{\alpha_1+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]-9\times 2^{\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2}\sqrt{3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]-
3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+
3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+
2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\Big[\frac{\pi\alpha_2}{3}\Big]+2^{\alpha_2+\alpha_3}\sqrt{3}\sin\Big[\frac{\pi\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]-
2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]-3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+
2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]-9\times 2^{\alpha_1+\alpha_2}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+2^{\alpha_1+\alpha_3}\sqrt{3}\sin\Big[\frac{\pi\alpha_3}{3}\Big]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\Big[\frac{\pi\alpha_3}{3}\Big]-
3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]+
3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]-
9\times 2^{\alpha_1+\alpha_3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]-
9\times 2^{\alpha_2+\alpha_3}\sin\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]\Big)\Big/
\Big(3\Big(3\times 2^{\alpha_1+\alpha_2}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]
\cos\Big[\frac{\pi\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]-2^{\alpha_1+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]-
2^{\alpha_1+\alpha_2}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+2^{\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_2}{3}\Big]+2^{\alpha_1+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]-2^{\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]
\sin\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_2+\alpha_3}\sin\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_3}{3}\Big]\Big)\Big)\Big)-
\Big(2^{1/3}\Big(-\Big(-3\times 2^{\alpha_1+\alpha_2}\cos\Big[\frac{\pi\alpha_1}{3}\Big]-3\times 2^{\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]-9\times 2^{\alpha_1+\alpha_2}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_2}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_2}{3}\Big]-3\times 2^{\alpha_1+\alpha_3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]-9\times 2^{\alpha_1+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]
\cos\Big[\frac{\pi\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_1}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]-9\times 2^{\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+
3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\cos\Big[\frac{\pi\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2}\sqrt{3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\sin\Big[\frac{\pi\alpha_1}{3}\Big]-
3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_2}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+
3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\Big[\frac{\pi\alpha_3}{3}\Big]\sin\Big[\frac{\pi\alpha_1}{3}\Big]+
$$

$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-9\times2^{\alpha_1+\alpha_2}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_1+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_2+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)^2+$$
$$3\left(3\times2^{\alpha_1+\alpha_2}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+\right.$$
$$3\times2^{\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$\left.3\times2^{\alpha_1+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_2+\alpha_3}\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\right)$$
$$\left(3\times2^{\alpha_1+\alpha_2}+3\times2^{\alpha_1+\alpha_3}+3\times2^{\alpha_2+\alpha_3}+3\times2^{1+\alpha_1+\alpha_2}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]+\right.$$
$$3\times2^{1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+9\times2^{\alpha_1+\alpha_2}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{1+\alpha_1+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{2+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{2+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$

$$9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-2^{2+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Big)\Big)\Big)\Big/$$
$$\Big(3\,\Big(3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Big)$$
$$\Big(-2\,\Big(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-9\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]$$
$$\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2}$$
$$\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$

$$9 \times 2^{\alpha_1+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] -$$

$$9 \times 2^{\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right]\Big)^3 -$$

$$27 \Big(3 \times 2^{\alpha_1+\alpha_2} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] + 2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] -$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] - 2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_1+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right]\Big)^2$$

$$\Big(-3 \times 2^{\alpha_1+\alpha_2} - 3 \times 2^{\alpha_1+\alpha_3} - 3 \times 2^{\alpha_2+\alpha_3} + 9 \times 2^{\alpha_1+\alpha_2+\alpha_3} - 3 \times 2^{\alpha_1+\alpha_2} \cos\left[\frac{\pi \alpha_1}{3}\right] +$$

$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] - 3 \times 2^{\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2}$$

$$\cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_2}{3}\right] - 3 \times 2^{\alpha_1+\alpha_3} \cos\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_1+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right]$$

$$\cos\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] +$$

$$2^{\alpha_1+\alpha_2} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] + 2^{1+\alpha_1+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] -$$

$$2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] + 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] +$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] - 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] +$$

$$2^{1+\alpha_1+\alpha_2} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] + 2^{\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] - 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] -$$

$$2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] -$$

$$3 \times 2^{\alpha_1+\alpha_2} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] + 2^{1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] -$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$

$$2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] -$$

$$3 \times 2^{\alpha_1+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] -$$

$$3 \times 2^{\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right]\Big) +$$

$$
\begin{aligned}
&9\left(3\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\right.\\
&\quad 3\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-\\
&\quad 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&\quad 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&\quad 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+\\
&\quad \left.3\times 2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\right)\\
&\left(-3\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+\right.\\
&\quad 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\\
&\quad \cos\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&\quad 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]-\\
&\quad 3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+\\
&\quad 3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+\\
&\quad 2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-\\
&\quad 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&\quad 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&\quad 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&\quad 3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+\\
&\quad 3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&\quad 9\times 2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&\quad 9\times 2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\Big)\\
&\left(3\times 2^{\alpha_1+\alpha_2}+3\times 2^{\alpha_1+\alpha_3}+3\times 2^{\alpha_2+\alpha_3}+3\times 2^{1+\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]+\right.\\
&\quad 3\times 2^{1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]+9\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]-\\
&\quad 3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{1+\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&\quad 9\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&\quad 9\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-
\end{aligned}
$$

$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{2+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{2+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{2+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)+$$
$$\sqrt{\Big(4\Big(-\Big(-3\times2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-9\times2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_1+\alpha_2}\sqrt{3}$$
$$\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{\alpha_1+\alpha_3}$$
$$\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2}\sqrt{3}$$
$$\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_2+\alpha_3}$$
$$\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$9\times2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{\alpha_1+\alpha_3}\sqrt{3}$$

$$\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_2+\alpha_3}$$
$$\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\Big)^2+$$
$$3\Big(3\times2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times$$
$$2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\Big)\Big(3\times2^{\alpha_1+\alpha_2}+$$
$$3\times2^{\alpha_1+\alpha_3}+3\times2^{\alpha_2+\alpha_3}+3\times2^{1+\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times2^{1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]+9\times2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]$$
$$\cos\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{1+\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]+9\times2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}$$
$$\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+9\times2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}$$
$$\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{2+\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{2+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_2}\sqrt{3}$$
$$\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_2+\alpha_3}$$
$$\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+9\times$$
$$2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_3}$$
$$\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{2+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-$$

$$3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)\Big)^3+$$
$$\Big(-2\Big(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_1+\alpha_3}$$
$$\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\Big[$$
$$\frac{\pi\alpha_2}{3}\Big]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\Big[$$
$$\frac{\pi\alpha_1}{3}\Big]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}$$
$$\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)^3-27$$
$$\Big(3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)^2$$

$$\Big(-3\times 2^{\alpha_1+\alpha_2}-3\times 2^{\alpha_1+\alpha_3}-3\times 2^{\alpha_2+\alpha_3}+9\times 2^{\alpha_1+\alpha_2+\alpha_3}-3\times 2^{\alpha_1+\alpha_2}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]-3\times 2^{\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]-$$
$$3\times 2^{\alpha_1+\alpha_2}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]-$$
$$3\times 2^{\alpha_1+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]-$$
$$3\times 2^{\alpha_1+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]-$$
$$3\times 2^{\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]-$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]+$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+2^{\alpha_2+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]-$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]-$$
$$3\times 2^{\alpha_1+\alpha_2}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-$$
$$3\times 2^{\alpha_1+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-$$
$$3\times 2^{\alpha_2+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]\Big)+9$$
$$\Big(3\times 2^{\alpha_1+\alpha_2}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+$$
$$3\times 2^{\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]+2^{\alpha_1+\alpha_2}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]-2^{\alpha_1+\alpha_2}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_3}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+3\times 2^{\alpha_1+\alpha_2}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]-2^{\alpha_2+\alpha_3}\sqrt{3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+$$
$$3\times 2^{\alpha_1+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_1}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]+3\times 2^{\alpha_2+\alpha_3}\operatorname{Sin}\Big[\frac{\pi\,\alpha_2}{3}\Big]\operatorname{Sin}\Big[\frac{\pi\,\alpha_3}{3}\Big]\Big)$$
$$\Big(-3\times 2^{\alpha_1+\alpha_2}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]-3\times 2^{\alpha_2+\alpha_3}\operatorname{Cos}\Big[\frac{\pi\,\alpha_2}{3}\Big]-9\times 2^{\alpha_1+\alpha_2}\operatorname{Cos}\Big[\frac{\pi\,\alpha_1}{3}\Big]$$

$$\cos\left[\frac{\pi\,\alpha_2}{3}\right] + 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_2}{3}\right] - 3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\,\alpha_3}{3}\right] -$$
$$9\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] + 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] -$$
$$9\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] + 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 2^{1+\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]$$
$$\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_3}{3}\right]$$
$$\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_3}{3}\right]\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\,\alpha_2}{3}\right] +$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_2}{3}\right] + 3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] -$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] - 3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_3}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] +$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_3}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] - 9\times 2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] +$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] + 2^{\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_3}{3}\right] - 3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] + 3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] -$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] - 9\times 2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] - 9\times 2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_3}{3}\right]\Big)\Big(3\times 2^{\alpha_1+\alpha_2} + 3\times 2^{\alpha_1+\alpha_3} + 3\times 2^{\alpha_2+\alpha_3} +$$
$$3\times 2^{1+\alpha_1+\alpha_2}\cos\left[\frac{\pi\,\alpha_1}{3}\right] - 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right] + 3\times 2^{1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right] -$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right] + 9\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_2}{3}\right] - 3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}$$
$$\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_2}{3}\right] + 3\times 2^{1+\alpha_1+\alpha_3}\cos\left[\frac{\pi\,\alpha_3}{3}\right] - 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$9\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] - 3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] +$$
$$9\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] - 3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\cos\left[\frac{\pi\,\alpha_3}{3}\right] -$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 2^{2+\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}$$
$$\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_2}{3}\right]$$
$$\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\,\alpha_3}{3}\right]\sin\left[\frac{\pi\,\alpha_1}{3}\right] + 2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}$$
$$\cos\left[\frac{\pi\,\alpha_3}{3}\right]\sin\left[\frac{\pi\,\alpha_1}{3}\right] - 2^{2+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\,\alpha_2}{3}\right] - 2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_2}{3}\right] +$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\,\alpha_2}{3}\right] - 3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\,\alpha_1}{3}\right]\sin\left[\frac{\pi\,\alpha_2}{3}\right] +$$

$$2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$2^{2+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\sqrt{3}$$
$$\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\sqrt{3}$$
$$\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+9\times 2^{\alpha_1+\alpha_3}$$
$$\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+9\times 2^{\alpha_2+\alpha_3}$$
$$\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)^2\Big)\Big)^{1/3}\Bigg)+$$
$$\Bigg(-2\Big(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)^3-$$

$$
\begin{aligned}
&27 \Big(3 \times 2^{\alpha_1+\alpha_2} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] + 3 \times 2^{\alpha_1+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] - \\
&\quad 2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] - 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] + \\
&\quad 2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] + 3 \times 2^{\alpha_1+\alpha_2} \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] + \\
&\quad 2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_3}{3}\Big] - 2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_3}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_3} \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_3}{3}\Big] + 3 \times 2^{\alpha_2+\alpha_3} \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_3}{3}\Big]\Big)^2 \\
&\Big(-3 \times 2^{\alpha_1+\alpha_2} - 3 \times 2^{\alpha_1+\alpha_3} - 3 \times 2^{\alpha_2+\alpha_3} + 9 \times 2^{\alpha_1+\alpha_2+\alpha_3} - 3 \times 2^{\alpha_1+\alpha_2} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] - 3 \times 2^{\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] - 3 \times 2^{\alpha_1+\alpha_2} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] - \\
&\quad 3 \times 2^{\alpha_1+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] - \\
&\quad 3 \times 2^{\alpha_1+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] - \\
&\quad 3 \times 2^{\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] + \\
&\quad 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] + 2^{1+\alpha_1+\alpha_3} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] - \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] - \\
&\quad 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] + \\
&\quad 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_2}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] + \\
&\quad 2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] - \\
&\quad 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_3}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_1}{3}\Big] + \\
&\quad 2^{1+\alpha_1+\alpha_2} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] + 2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] - \\
&\quad 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] + \\
&\quad 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] - \\
&\quad 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\Big[\frac{\pi \alpha_1}{3}\Big] \operatorname{Sin}\Big[\frac{\pi \alpha_2}{3}\Big] -
\end{aligned}
$$

$$
\begin{aligned}
&2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_2}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&3\times 2^{\alpha_2+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Bigg)+\\
9\Bigg(&3\times 2^{\alpha_1+\alpha_2}\,\mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\,\mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_2+\alpha_3}\,\mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-\\
&2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-\\
&2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+\\
&2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-\\
&2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \mathrm{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_2+\alpha_3}\,\mathrm{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\mathrm{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Bigg)
\end{aligned}
$$

$$\left(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+\right.$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-9\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$3\times 2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$2^{\alpha_1+\alpha_2+\alpha_3}\,\sqrt{3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$

$$9 \times 2^{\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right]\Big)$$
$$\Big(3 \times 2^{\alpha_1+\alpha_2} + 3 \times 2^{\alpha_1+\alpha_3} + 3 \times 2^{\alpha_2+\alpha_3} + 3 \times 2^{1+\alpha_1+\alpha_2} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] + 3 \times 2^{1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] + 9 \times 2^{\alpha_1+\alpha_2} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] +$$
$$3 \times 2^{1+\alpha_1+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] +$$
$$9 \times 2^{\alpha_1+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] -$$
$$3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] +$$
$$9 \times 2^{\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] -$$
$$3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] - 2^{1+\alpha_1+\alpha_2} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] -$$
$$2^{2+\alpha_1+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] -$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] +$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] - 2^{2+\alpha_1+\alpha_2} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$2^{1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] +$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] +$$
$$3 \times 2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] +$$
$$9 \times 2^{\alpha_1+\alpha_2} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] - 2^{1+\alpha_1+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] -$$
$$2^{2+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] -$$

$$2^{1+\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Bigg)+$$
$$\sqrt{\Bigg(4\Bigg(-\Bigg(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]$$
$$\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]$$
$$\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]-$$
$$9\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_3}{3}\right]\Bigg)^2+$$
$$3\Bigg(3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\,\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\ \sqrt{3}\ \text{Cos}\left[\frac{\pi\,\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\,\alpha_1}{3}\right]-$$

$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)$$
$$\Big(3\times2^{\alpha_1+\alpha_2}+3\times2^{\alpha_1+\alpha_3}+3\times2^{\alpha_2+\alpha_3}+3\times2^{1+\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{1+\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{2+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{2+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{2+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$9\times2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times2^{1+\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)\Big)^3+$$
$$\Big(-2\Big(-3\times2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-9\times2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]$$
$$\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+3\times2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-$$

$$
\begin{aligned}
&9\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-\\
&9\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&2^{\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\\
&\sin\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\\
&\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&2^{\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\\
&\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\\
&\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\\
&\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&9\times 2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-\\
&9\times 2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\Big)^3-\\
27\Big(&3\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-\\
&2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_3}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_2}{3}\right]+\\
&2^{\alpha_1+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\cos\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_3}\sin\left[\frac{\pi\alpha_1}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\sin\left[\frac{\pi\alpha_2}{3}\right]\sin\left[\frac{\pi\alpha_3}{3}\right]\Big)^2\\
\Big(&-3\times 2^{\alpha_1+\alpha_2}-3\times 2^{\alpha_1+\alpha_3}-3\times 2^{\alpha_2+\alpha_3}+9\times 2^{\alpha_1+\alpha_2+\alpha_3}-3\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_2}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_2}{3}\right]-\\
&3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_1}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+\\
&3\times 2^{\alpha_1+\alpha_2+\alpha_3}\cos\left[\frac{\pi\alpha_2}{3}\right]\cos\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\sin\left[\frac{\pi\alpha_1}{3}\right]+
\end{aligned}
$$

$$2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-3\times 2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-$$
$$3\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)+$$
$$9\Big(3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+3\times 2^{\alpha_1+\alpha_2}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]-2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_2+\alpha_3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_3}{3}\right]\Big)$$
$$\Big(-3\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-9\times 2^{\alpha_1+\alpha_2}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]+$$
$$3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]-3\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_1+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]$$
$$\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_1}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]-9\times 2^{\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]$$
$$\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+3\times 2^{\alpha_1+\alpha_2+\alpha_3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]+2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+$$
$$2^{1+\alpha_1+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-3\times 2^{\alpha_1+\alpha_2}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_2}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+3\times 2^{\alpha_1+\alpha_3}\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]-2^{\alpha_1+\alpha_2+\alpha_3}$$
$$\sqrt{3}\,\text{Cos}\left[\frac{\pi\alpha_3}{3}\right]\text{Sin}\left[\frac{\pi\alpha_1}{3}\right]+2^{1+\alpha_1+\alpha_2}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+2^{\alpha_2+\alpha_3}\sqrt{3}\,\text{Sin}\left[\frac{\pi\alpha_2}{3}\right]+$$

$$3 \times 2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] - 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] -$$
$$9 \times 2^{\alpha_1+\alpha_2} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 2^{\alpha_1+\alpha_3} \sqrt{3}$$
$$\sin\left[\frac{\pi \alpha_3}{3}\right] + 2^{1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$
$$2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] -$$
$$2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 9 \times 2^{\alpha_1+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 9 \times 2^{\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right]\Big) \Big(3 \times 2^{\alpha_1+\alpha_2} + 3 \times 2^{\alpha_1+\alpha_3} + 3 \times 2^{\alpha_2+\alpha_3} +$$
$$3 \times 2^{1+\alpha_1+\alpha_2} \cos\left[\frac{\pi \alpha_1}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] + 3 \times 2^{1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] + 9 \times 2^{\alpha_1+\alpha_2} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_2}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3}$$
$$\cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{1+\alpha_1+\alpha_3} \cos\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_3}{3}\right] +$$
$$9 \times 2^{\alpha_1+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_1}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] +$$
$$9 \times 2^{\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \cos\left[\frac{\pi \alpha_2}{3}\right] \cos\left[\frac{\pi \alpha_3}{3}\right] -$$
$$2^{1+\alpha_1+\alpha_2} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] - 2^{2+\alpha_1+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_1}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] - 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] + 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_1}{3}\right] -$$
$$2^{2+\alpha_1+\alpha_2} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] - 2^{1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_2}{3}\right] -$$
$$3 \times 2^{\alpha_1+\alpha_2} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] + 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] +$$
$$3 \times 2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] - 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_3}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] +$$
$$9 \times 2^{\alpha_1+\alpha_2} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_2}{3}\right] -$$
$$2^{1+\alpha_1+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] - 2^{2+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \sin\left[\frac{\pi \alpha_3}{3}\right] +$$
$$3 \times 2^{\alpha_1+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] -$$
$$3 \times 2^{\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] + 2^{1+\alpha_1+\alpha_2+\alpha_3} \sqrt{3} \cos\left[\frac{\pi \alpha_2}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$
$$9 \times 2^{\alpha_1+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \sin\left[\frac{\pi \alpha_1}{3}\right] \sin\left[\frac{\pi \alpha_3}{3}\right] +$$

$$9 \times 2^{\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] - 3 \times 2^{1+\alpha_1+\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right]\Big)\Big)^2\Big)\Big)^{1/3} \Big/$$

$$\Big(3 \times 2^{1/3} \Big(3 \times 2^{\alpha_1+\alpha_2} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right]$$

$$\operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_2+\alpha_3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] + 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] -$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] - 2^{\alpha_1+\alpha_2} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_3}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] + 3 \times 2^{\alpha_1+\alpha_2} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] +$$

$$2^{\alpha_1+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] -$$

$$2^{\alpha_2+\alpha_3} \sqrt{3} \operatorname{Cos}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_1+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_1}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right] +$$

$$3 \times 2^{\alpha_2+\alpha_3} \operatorname{Sin}\left[\frac{\pi \alpha_2}{3}\right] \operatorname{Sin}\left[\frac{\pi \alpha_3}{3}\right]\Big)\Big)$$