$$
\begin{aligned}
&\textit{Coordinates}\\
&\textit{Co}: \ (\frac{1}{3},\frac{2}{3},\frac{1}{6}),(1,1,\frac{1}{2}),(\frac{2}{3},\frac{1}{3},\frac{5}{6})\\
&\textit{O}: \ (0,0,0.239587),(\frac{2}{3},\frac{1}{3},0.09374633),(\frac{2}{3},\frac{1}{3},0.57292033),(\frac{1}{3},\frac{2}{3},0.42707967),(\frac{1}{3},\frac{2}{3},0.90625367),(0,0,0.760413)\\
&\textit{Li}: \ (0,0,0),(\frac{2}{3},\frac{1}{3},\frac{1}{3}),(\frac{1}{3},\frac{2}{3},\frac{2}{3})\\
&\textit{Reflections}: \ (-2,1,0),(0,0,1),(0,0,2),(0,0,3),(0,0,4),(1,0,0),\\
&\quad (1,0,1),(1,0,2),(1,0,3),(2,1,0),(1,1,1),(1,1,2),\\
&\quad (1,1,3),(2,0,0),(2,0,1),(2,0,2),(2,0,3),(2,1,0),\\
&\quad (2,1,1),(2,1,2),(2,1,3),(3,0,0),(3,0,1),(3,0,2)
\end{aligned}
$$

$$
\begin{aligned}
F_{hkl} = \ & f_{Co}(e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{l}{6})}+e^{2\pi i(h+k+\frac{l}{2})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{5\cdot l}{6})})\\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot l}{1})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{0.09374633\cdot l}{1})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{0.57292033\cdot l}{1})}+e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{0.42707967\cdot l}{1})}\\
& \ + e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{0.90625367\cdot l}{1})}+e^{2\pi i(0+0+\frac{0.760413\cdot l}{1})})\\
& + f_{Li}(e^{2\pi i(0+0+0)}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{l}{3})}+e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{2\cdot l}{3})})\\
= \ & f_{Co}(e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{l}{6})}+e^{2\pi i(h+k+\frac{l}{2})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{5\cdot l}{6})})\\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot l}{1})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{0.09374633\cdot l}{1})}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{0.57292033\cdot l}{1})}+e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{0.42707967\cdot l}{1})}\\
& \ + e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{0.90625367\cdot l}{1})}+e^{2\pi i(\frac{0.760413\cdot l}{1})})\\
& + f_{Li}(e^{2\pi i(0)}+e^{2\pi i(\frac{2\cdot h}{3}+\frac{k}{3}+\frac{l}{3})}+e^{2\pi i(\frac{h}{3}+\frac{2\cdot k}{3}+\frac{2\cdot l}{3})})
\end{aligned}
$$

$$
\begin{aligned}
F_{-210} = \; & f_{Co}(e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(-2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(-2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot -2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{-2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(0)} + e^{2\pi i(-1)} + e^{2\pi i(-1)}) \\
& + \quad f_{O}(e^{2\pi i(0)} + e^{2\pi i(-1)} + e^{2\pi i(-1)} + e^{2\pi i(0)} \\
& + e^{2\pi i(0)} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(-1)} + e^{2\pi i(0)}) \\
= \; & f_{Co}(1+1+1) \\
& + \quad f_{O}(1+1+1+1+1+1) \\
& + \quad f_{Li}(1+1+1) \\
= \; & 3f_{Co} + 6f_{O} + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{001} = \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(0+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(0+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{6})} + e^{2\pi i(\frac{1}{2})} + e^{2\pi i(\frac{5}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{0.09374633}{1})} + e^{2\pi i(\frac{0.57292033}{1})} + e^{2\pi i(\frac{0.42707967}{1})} \\
& + e^{2\pi i(\frac{0.90625367}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{1}{3})} + e^{2\pi i(\frac{2}{3})}) \\
= \; & f_{Co}([0.5 + (0.86603)i] + -1 + [0.5 + (-0.86603)i]) \\
& + \quad f_{O}([0.06538 + (0.99786)i] + [0.83148 + (0.55555)i] \\
& \quad + [-0.89686 + (-0.44231)i] + [-0.89686 + (0.44231)i] \\
& \quad + [0.83148 + (-0.55555)i] + [0.06538 + (-0.99786)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & 4.743458070777251e-09 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{002} = \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(0+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(0+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3})} + e^{2\pi i(1)} + e^{2\pi i(\frac{5}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{0.18749266}{1})} + e^{2\pi i(\frac{1.14584066}{1})} + e^{2\pi i(\frac{0.85415934}{1})} \\
& + e^{2\pi i(\frac{1.81250734}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2}{3})} + e^{2\pi i(\frac{4}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}([-0.99145 + (0.13048)i] + [0.38273 + (0.92386)i] \\
& \quad + [0.60872 + (0.79338)i] + [0.60872 + (-0.79338)i] \\
& \quad + [0.38273 + (-0.92386)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 1.438634354977708e-07 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{003} = \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(0+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(0+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{2})} + e^{2\pi i(\frac{3}{2})} + e^{2\pi i(\frac{5}{2})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.718761}{1})} + e^{2\pi i(\frac{0.28123899}{1})} + e^{2\pi i(\frac{1.71876099}{1})} + e^{2\pi i(\frac{1.28123901}{1})} \\
& + e^{2\pi i(\frac{2.71876101}{1})} + e^{2\pi i(\frac{2.281239}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(1)} + e^{2\pi i(2)}) \\
= \; & f_{Co}(-1 + -1 + -1) \\
& + \quad f_{O}([-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i] \\
& \quad + [-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i] \\
& \quad + [-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i]) \\
& + \quad f_{Li}(1 + 1 + 1) \\
= \; & -3f_{Co} - 1.170135207227543 f_{O} + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{004} = \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{4}{6})} + e^{2\pi i(0+0+\frac{4}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 4}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 4}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 4}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 4}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 4}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 4}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 4}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{4}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 4}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{4}{6})} + e^{2\pi i(0+0+\frac{4}{2})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{5\cdot 4}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 4}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.09374633\cdot 4}{1})} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{0.57292033\cdot 4}{1})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 4}{1})} \\
& \quad + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 4}{1})} + e^{2\pi i(\frac{0.760413\cdot 4}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 0}{3}+\frac{0}{3}+\frac{4}{3})} + e^{2\pi i(\frac{0}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 4}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3})} + e^{2\pi i(2)} + e^{2\pi i(\frac{10}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.958348}{1})} + e^{2\pi i(\frac{0.37498532}{1})} + e^{2\pi i(\frac{2.29168132}{1})} + e^{2\pi i(\frac{1.70831868}{1})} \\
& + e^{2\pi i(\frac{3.62501468}{1})} + e^{2\pi i(\frac{3.041652}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{8}{3})}) \\
= \; & f_{Co}([-0.5 + (-0.86603)i] + 1 + [-0.5 + (0.86603)i]) \\
& + \quad f_{O}([0.96595 + (-0.25873)i] + [-0.70704 + (0.70717)i] \\
& \quad + [-0.25891 + (0.9659)i] + [-0.25891 + (-0.9659)i] \\
& \quad + [-0.70704 + (-0.70717)i] + [0.96595 + (0.25873)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & 2.803262317829791e-07 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{100} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(1+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(1+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3})} + e^{2\pi i(1)} + e^{2\pi i(\frac{2}{3})}) \\
& + \quad f_{O}(e^{2\pi i(0)} + e^{2\pi i(\frac{2}{3})} + e^{2\pi i(\frac{2}{3})} + e^{2\pi i(\frac{1}{3})} \\
& + e^{2\pi i(\frac{1}{3})} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2}{3})} + e^{2\pi i(\frac{1}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (-0.86603)i] \\
& \quad + [-0.5 + (0.86603)i] + [-0.5 + (0.86603)i] \\
& \quad + 1) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 0(ForbiddenReflection)
\end{aligned}
$$

$$
\begin{aligned}
F_{101} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(1+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_O(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(1+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_O(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{2})} + e^{2\pi i(\frac{3}{2})} + e^{2\pi i(\frac{3}{2})}) \\
& + \; f_O(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{0.760413}{1})} + e^{2\pi i(\frac{1.239587}{1})} + e^{2\pi i(\frac{0.760413}{1})} \\
& + e^{2\pi i(\frac{1.239587}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \; f_{Li}(e^{2\pi i(0)} + e^{2\pi i(1)} + e^{2\pi i(1)}) \\
= \; & f_{Co}(-1 + -1 + -1) \\
& + \; f_O([0.06538 + (0.99786)i] + [0.06538 + (-0.99786)i] \\
& + [0.06538 + (0.99786)i] + [0.06538 + (-0.99786)i] \\
& + [0.06538 + (0.99786)i] + [0.06538 + (-0.99786)i]) \\
& + \; f_{Li}(1 + 1 + 1) \\
= \; & -3f_{Co} + 0.39228084116117606 f_O + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{102} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(1+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(1+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3})} + e^{2\pi i(2)} + e^{2\pi i(\frac{7}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{0.85415933}{1})} + e^{2\pi i(\frac{1.81250733}{1})} + e^{2\pi i(\frac{1.18749267}{1})} \\
& + e^{2\pi i(\frac{2.14584067}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{5}{3})}) \\
= \; & f_{Co}([-0.5 + (-0.86603)i] + 1 + [-0.5 + (0.86603)i]) \\
& + \quad f_{O}([-0.99145 + (0.13048)i] + [0.60872 + (-0.79338)i] \\
& \quad + [0.38273 + (-0.92386)i] + [0.38273 + (0.92386)i] \\
& \quad + [0.60872 + (0.79338)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & \quad -1.4386343782923916e-07 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{103} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(1+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(1+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{5}{6})} + e^{2\pi i(\frac{5}{2})} + e^{2\pi i(\frac{19}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.718761}{1})} + e^{2\pi i(\frac{0.94790566}{1})} + e^{2\pi i(\frac{2.38542766}{1})} + e^{2\pi i(\frac{1.61457234}{1})} \\
& + e^{2\pi i(\frac{3.05209434}{1})} + e^{2\pi i(\frac{2.281239}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{7}{3})}) \\
= \; & f_{Co}([0.5 + (-0.86603)i] + -1 + [0.5 + (0.86603)i]) \\
& + \quad f_{O}([-0.19502 + (-0.9808)i] + [0.94691 + (-0.3215)i] \\
& \quad + [-0.75189 + (0.65929)i] + [-0.75189 + (-0.65929)i] \\
& \quad + [0.94691 + (0.3215)i] + [-0.19502 + (0.9808)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 4.2447808795698094e-08 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{210} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{4}{3})} + e^{2\pi i(3)} + e^{2\pi i(\frac{5}{3})}) \\
& + \quad f_{O}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{4}{3})} \\
& + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{4}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (-0.86603)i] \\
& \quad + [-0.5 + (0.86603)i] + [-0.5 + (0.86603)i] \\
& \quad + 1) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 0(ForbiddenReflection)
\end{aligned}
$$

$$
\begin{aligned}
F_{111} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{1}{6})} + e^{2\pi i(1+1+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{1}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{1}{6})} + e^{2\pi i(1+1+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{1}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{7}{6})} + e^{2\pi i(\frac{5}{2})} + e^{2\pi i(\frac{11}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{1.09374633}{1})} + e^{2\pi i(\frac{1.57292033}{1})} + e^{2\pi i(\frac{1.42707967}{1})} \\
& + e^{2\pi i(\frac{1.90625367}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{5}{3})}) \\
= \; & f_{Co}([0.5 + (0.86603)i] + -1 + [0.5 + (-0.86603)i]) \\
& + \quad f_{O}([0.06538 + (0.99786)i] + [0.83148 + (0.55555)i] \\
& \quad + [-0.89686 + (-0.44231)i] + [-0.89686 + (0.44231)i] \\
& \quad + [0.83148 + (-0.55555)i] + [0.06538 + (-0.99786)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & 4.743456849531924e-09 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{112} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2}{6})} + e^{2\pi i(1+1+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{2}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2}{6})} + e^{2\pi i(1+1+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{2}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{4}{3})} + e^{2\pi i(3)} + e^{2\pi i(\frac{8}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{1.18749266}{1})} + e^{2\pi i(\frac{2.14584066}{1})} + e^{2\pi i(\frac{1.85415934}{1})} \\
& + e^{2\pi i(\frac{2.81250734}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{7}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}([-0.99145 + (0.13048)i] + [0.38273 + (0.92386)i] \\
& \quad + [0.60872 + (0.79338)i] + [0.60872 + (-0.79338)i] \\
& \quad + [0.38273 + (-0.92386)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 1.4386343150096792e-07 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{113} = \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{3}{6})} + e^{2\pi i(1+1+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{3}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{3}{6})} + e^{2\pi i(1+1+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 1}{3}+\frac{1}{3}+\frac{3}{3})} + e^{2\pi i(\frac{1}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{3}{2})} + e^{2\pi i(\frac{7}{2})} + e^{2\pi i(\frac{7}{2})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.718761}{1})} + e^{2\pi i(\frac{1.28123899}{1})} + e^{2\pi i(\frac{2.71876099}{1})} + e^{2\pi i(\frac{2.28123901}{1})} \\
& + e^{2\pi i(\frac{3.71876101}{1})} + e^{2\pi i(\frac{2.281239}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(2)} + e^{2\pi i(3)}) \\
= \; & f_{Co}(-1 + -1 + -1) \\
& + \quad f_{O}([-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i] \\
& \quad + [-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i] \\
& \quad + [-0.19502 + (-0.9808)i] + [-0.19502 + (0.9808)i]) \\
& + \quad f_{Li}(1 + 1 + 1) \\
= \; & -3f_{Co} - 1.1701352072275424 f_{O} + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{200} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(2+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(2+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3})} + e^{2\pi i(2)} + e^{2\pi i(\frac{4}{3})}) \\
& + \quad f_{O}(e^{2\pi i(0)} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{2}{3})} \\
& + e^{2\pi i(\frac{2}{3})} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(\frac{2}{3})}) \\
= \; & f_{Co}([-0.5 + (-0.86603)i] + 1 + [-0.5 + (0.86603)i]) \\
& + \quad f_{O}(1 + [-0.5 + (0.86603)i] + [-0.5 + (0.86603)i] \\
& \quad + [-0.5 + (-0.86603)i] + [-0.5 + (-0.86603)i] \\
& \quad + 1) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & 0(ForbiddenReflection)
\end{aligned}
$$

$$
\begin{aligned}
F_{201} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(2+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(2+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{5}{6})} + e^{2\pi i(\frac{5}{2})} + e^{2\pi i(\frac{13}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{1.42707966}{1})} + e^{2\pi i(\frac{1.90625366}{1})} + e^{2\pi i(\frac{1.09374634}{1})} \\
& + e^{2\pi i(\frac{1.57292034}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{4}{3})}) \\
= \; & f_{Co}([0.5 + (-0.86603)i] + -1 + [0.5 + (0.86603)i]) \\
& + \quad f_{O}([0.06538 + (0.99786)i] + [-0.89686 + (0.44231)i] \\
& \quad + [0.83148 + (-0.55555)i] + [0.83148 + (0.55555)i] \\
& \quad + [-0.89686 + (-0.44231)i] + [0.06538 + (-0.99786)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & -4.7434596250894 86e-09 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{202} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(2+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_O(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(2+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_O(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(1)} + e^{2\pi i(3)} + e^{2\pi i(3)}) \\
& + \quad f_O(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{1.52082599}{1})} + e^{2\pi i(\frac{2.47917399}{1})} + e^{2\pi i(\frac{1.52082601}{1})} \\
& + e^{2\pi i(\frac{2.47917401}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(2)} + e^{2\pi i(2)}) \\
= \; & f_{Co}(1+1+1) \\
& + \quad f_O([-0.99145 + (0.13048)i] + [-0.99145 + (-0.13048)i] \\
& \quad + [-0.99145 + (0.13048)i] + [-0.99145 + (-0.13048)i] \\
& \quad + [-0.99145 + (0.13048)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1+1+1) \\
= \; & 3f_{Co} - 5.948705247219291 f_O + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{203} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(2+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{3}{6})} + e^{2\pi i(2+0+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{0}{3}+\frac{3}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{7}{6})} + e^{2\pi i(\frac{7}{2})} + e^{2\pi i(\frac{23}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.718761}{1})} + e^{2\pi i(\frac{1.61457232}{1})} + e^{2\pi i(\frac{3.05209432}{1})} + e^{2\pi i(\frac{1.94790568}{1})} \\
& + e^{2\pi i(\frac{3.38542768}{1})} + e^{2\pi i(\frac{2.281239}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{7}{3})} + e^{2\pi i(\frac{8}{3})}) \\
= \; & f_{Co}([0.5 + (0.86603)i] + -1 + [0.5 + (-0.86603)i]) \\
& + \quad f_{O}([-0.19502 + (-0.9808)i] + [-0.75189 + (-0.65929)i] \\
& \quad + [0.94691 + (0.3215)i] + [0.94691 + (-0.3215)i] \\
& \quad + [-0.75189 + (0.65929)i] + [-0.19502 + (0.9808)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & -4.244781040552148e-08 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{210} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0}{6})} + e^{2\pi i(2+1+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 0}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{4}{3})} + e^{2\pi i(3)} + e^{2\pi i(\frac{5}{3})}) \\
& + \quad f_{O}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{4}{3})} \\
& + e^{2\pi i(\frac{4}{3})} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{5}{3})} + e^{2\pi i(\frac{4}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (-0.86603)i] \\
& \quad + [-0.5 + (0.86603)i] + [-0.5 + (0.86603)i] \\
& \quad + 1) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 0(ForbiddenReflection)
\end{aligned}
$$

$$
\begin{aligned}
F_{211} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{1}{6})} + e^{2\pi i(2+1+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{1}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{1}{6})} + e^{2\pi i(2+1+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{1}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{3}{2})} + e^{2\pi i(\frac{7}{2})} + e^{2\pi i(\frac{5}{2})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{1.760413}{1})} + e^{2\pi i(\frac{2.239587}{1})} + e^{2\pi i(\frac{1.760413}{1})} \\
& + e^{2\pi i(\frac{2.239587}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2}{1})} + e^{2\pi i(2)}) \\
= \; & f_{Co}(-1+-1+-1) \\
& + \quad f_{O}([0.06538+(0.99786)i] + [0.06538+(-0.99786)i] \\
& \quad + [0.06538+(0.99786)i] + [0.06538+(-0.99786)i] \\
& \quad + [0.06538+(0.99786)i] + [0.06538+(-0.99786)i]) \\
& + \quad f_{Li}(1+1+1) \\
= \; & -3f_{Co} + 0.3922808411611796 f_{O} + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{212} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2}{6})} + e^{2\pi i(2+1+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{2}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2}{6})} + e^{2\pi i(2+1+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{2}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{5}{3})} + e^{2\pi i(4)} + e^{2\pi i(\frac{10}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{1.85415933}{1})} + e^{2\pi i(\frac{2.81250733}{1})} + e^{2\pi i(\frac{2.18749267}{1})} \\
& + e^{2\pi i(\frac{3.14584067}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{7}{3})} + e^{2\pi i(\frac{8}{3})}) \\
= \; & f_{Co}([-0.5 + (-0.86603)i] + 1 + [-0.5 + (0.86603)i]) \\
& + \quad f_{O}([-0.99145 + (0.13048)i] + [0.60872 + (-0.79338)i] \\
& \quad + [0.38273 + (-0.92386)i] + [0.38273 + (0.92386)i] \\
& \quad + [0.60872 + (0.79338)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & \quad -1.438634393835514e-07 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{213} = \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{3}{6})} + e^{2\pi i(2+1+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{3}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{3}{6})} + e^{2\pi i(2+1+\frac{3}{2})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{5\cdot 3}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.09374633\cdot 3}{1})} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{0.57292033\cdot 3}{1})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.42707967\cdot 3}{1})} \\
& \quad + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{0.90625367\cdot 3}{1})} + e^{2\pi i(\frac{0.760413\cdot 3}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 2}{3}+\frac{1}{3}+\frac{3}{3})} + e^{2\pi i(\frac{2}{3}+\frac{2\cdot 1}{3}+\frac{2\cdot 3}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{11}{6})} + e^{2\pi i(\frac{9}{2})} + e^{2\pi i(\frac{25}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.718761}{1})} + e^{2\pi i(\frac{1.94790566}{1})} + e^{2\pi i(\frac{3.38542766}{1})} + e^{2\pi i(\frac{2.61457234}{1})} \\
& + e^{2\pi i(\frac{4.05209434}{1})} + e^{2\pi i(\frac{2.281239}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{8}{3})} + e^{2\pi i(\frac{10}{3})}) \\
= \; & f_{Co}([0.5 + (-0.86603)i] + -1 + [0.5 + (0.86603)i]) \\
& + \quad f_{O}([-0.19502 + (-0.9808)i] + [0.94691 + (-0.3215)i] \\
& \quad + [-0.75189 + (0.65929)i] + [-0.75189 + (-0.65929)i] \\
& \quad + [0.94691 + (0.3215)i] + [-0.19502 + (0.9808)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 4.2447806575252045e-08 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{300} = \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(3+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_O(e^{2\pi i(0+0+\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0}{6})} + e^{2\pi i(3+0+\frac{0}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 0}{6})}) \\
& + f_O(e^{2\pi i(\frac{0.239587\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 0}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 0}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 0}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 0}{1})} + e^{2\pi i(\frac{0.760413\cdot 0}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 0}{3})}) \\
= \; & f_{Co}(e^{2\pi i(1)} + e^{2\pi i(3)} + e^{2\pi i(2)}) \\
& + \quad f_O(e^{2\pi i(0)} + e^{2\pi i(2)} + e^{2\pi i(2)} + e^{2\pi i(1)} \\
& + e^{2\pi i(1)} + e^{2\pi i(0)}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(2)} + e^{2\pi i(1)}) \\
= \; & f_{Co}(1+1+1) \\
& + \quad f_O(1+1+1+1+1+1) \\
& + \quad f_{Li}(1+1+1) \\
= \; & 3f_{Co} + 6f_O + 3f_{Li}
\end{aligned}
$$

$$
\begin{aligned}
F_{301} = \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(3+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{1}{6})} + e^{2\pi i(3+0+\frac{1}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 1}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 1}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 1}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 1}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 1}{1})} + e^{2\pi i(\frac{0.760413\cdot 1}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{1}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 1}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{7}{6})} + e^{2\pi i(\frac{7}{2})} + e^{2\pi i(\frac{17}{6})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.239587}{1})} + e^{2\pi i(\frac{2.09374633}{1})} + e^{2\pi i(\frac{2.57292033}{1})} + e^{2\pi i(\frac{1.42707967}{1})} \\
& + e^{2\pi i(\frac{1.90625367}{1})} + e^{2\pi i(\frac{0.760413}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{7}{3})} + e^{2\pi i(\frac{5}{3})}) \\
= \; & f_{Co}([0.5 + (0.86603)i] + -1 + [0.5 + (-0.86603)i]) \\
& + \quad f_{O}([0.06538 + (0.99786)i] + [0.83148 + (0.55555)i] \\
& \quad + [-0.89686 + (-0.44231)i] + [-0.89686 + (0.44231)i] \\
& \quad + [0.83148 + (-0.55555)i] + [0.06538 + (-0.99786)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (0.86603)i] + [-0.5 + (-0.86603)i]) \\
= \; & 4.743456405442714e-09 f_{O}
\end{aligned}
$$

$$
\begin{aligned}
F_{302} = \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(3+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(0+0+\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(0+0+\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0+0+0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2}{6})} + e^{2\pi i(3+0+\frac{2}{2})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{5\cdot 2}{6})}) \\
& + f_{O}(e^{2\pi i(\frac{0.239587\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.09374633\cdot 2}{1})} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{0.57292033\cdot 2}{1})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.42707967\cdot 2}{1})} \\
& \quad + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{0.90625367\cdot 2}{1})} + e^{2\pi i(\frac{0.760413\cdot 2}{1})}) \\
& + f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{2\cdot 3}{3}+\frac{0}{3}+\frac{2}{3})} + e^{2\pi i(\frac{3}{3}+\frac{2\cdot 0}{3}+\frac{2\cdot 2}{3})}) \\
= \; & f_{Co}(e^{2\pi i(\frac{4}{3})} + e^{2\pi i(4)} + e^{2\pi i(\frac{11}{3})}) \\
& + \quad f_{O}(e^{2\pi i(\frac{0.479174}{1})} + e^{2\pi i(\frac{2.18749266}{1})} + e^{2\pi i(\frac{3.14584066}{1})} + e^{2\pi i(\frac{1.85415934}{1})} \\
& + e^{2\pi i(\frac{2.81250734}{1})} + e^{2\pi i(\frac{1.520826}{1})}) \\
& + \quad f_{Li}(e^{2\pi i(0)} + e^{2\pi i(\frac{8}{3})} + e^{2\pi i(\frac{7}{3})}) \\
= \; & f_{Co}([-0.5 + (0.86603)i] + 1 + [-0.5 + (-0.86603)i]) \\
& + \quad f_{O}([-0.99145 + (0.13048)i] + [0.38273 + (0.92386)i] \\
& \quad + [0.60872 + (0.79338)i] + [0.60872 + (-0.79338)i] \\
& \quad + [0.38273 + (-0.92386)i] + [-0.99145 + (-0.13048)i]) \\
& + \quad f_{Li}(1 + [-0.5 + (-0.86603)i] + [-0.5 + (0.86603)i]) \\
= \; & 1.4386343161199022e-07 f_{O}
\end{aligned}
$$