$$\phi_{2,\,x,\,R} = \frac{\left(16 - \frac{3960}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(-\frac{3960}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,z,\,R}}{7\,Deltax^2\,\Sigma_t^2} + \frac{16\,jh_{3,\,out,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2} - \frac{1296\,\bar{\phi}_{2,\,x,\,2}}{Deltax^2\,\Sigma_t^2}$$
$$+ \frac{16\,jh_{3,\,inc,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2} - \frac{1944\,\bar{\phi}_{2,\,x,\,1}}{7\,Deltax^2\,\Sigma_t^2} - \frac{144\,\bar{\Phi}_{0,\,x,\,1}}{Deltax^2\,\Sigma_t^2} - \frac{672\,\bar{\Phi}_{0,\,x,\,2}}{Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(\frac{3960}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,y,\,R}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(16 + \frac{3960}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(-\frac{3960}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,z,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{498\,\phi_{2,\,x,\,L} + 1482\,\phi_{2,\,x,\,R} - \frac{504\,S_0}{\Sigma_{rem,\,0}}}{7\,Deltax^2\,\Sigma_t^2} - \frac{9900\,J_{3,\,z,\,L}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$- \frac{9900\,J_{3,\,y,\,R}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay} - \frac{9900\,J_{3,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$- \frac{9900\,J_{3,\,z,\,R}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$+ \frac{\left(-\frac{3960}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(\frac{3960}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$
$$+ \frac{\left(\frac{3960}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,z,\,R}}{7\,Deltax^2\,\Sigma_t^2} - \frac{9900\,J_{3,\,x,\,L}}{7\,Deltax^3\,\Sigma_t^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)}$$

$$
\begin{aligned}
&- \frac{9900\, J_{3,\,x,\,R}}{7\, Deltax^3\, \Sigma_t^2\, \left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} \\
&+ \frac{\left(-\frac{3960}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,y,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(-\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328 + \frac{3960}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(\frac{3960}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,z,\,L}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328\right) jh_{3,\,out,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} + \frac{\left(\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328\right) jh_{3,\,inc,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(-\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328 - \frac{3960}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
\phi_{2,\,x,\,L} = &\frac{\left(-\frac{3960}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,z,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(-\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328 - \frac{3960}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{504}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,x,\,L}}{7\, Deltax^2\, \Sigma_t^2} \\
&- \frac{1296\, \bar{\phi}_{2,\,x,\,2}}{Deltax^2\, \Sigma_t^2} + \frac{16\, jh_{3,\,out,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} + \frac{1944\, \bar{\phi}_{2,\,x,\,1}}{7\, Deltax^2\, \Sigma_t^2} + \frac{16\, jh_{3,\,inc,\,x,\,R}}{7\, Deltax^2\, \Sigma_t^2} + \frac{144\, \bar{\Phi}_{0,\,x,\,1}}{Deltax^2\, \Sigma_t^2} - \frac{672\, \bar{\Phi}_{0,\,x,\,2}}{Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(\frac{3960}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{504}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,y,\,R}}{7\, Deltax^2\, \Sigma_t^2} \\
&+ \frac{\left(\frac{112\, Deltax^2\, \Sigma_t^2}{15} + 1328\right) jh_{3,\,out,\,x,\,L}}{7\, Deltax^2\, \Sigma_t^2}
\end{aligned}
$$

$$+\frac{\left(-\frac{3960}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$-\frac{9900\,J_{3,\,z,\,L}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}-\frac{9900\,J_{3,\,y,\,R}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$

$$-\frac{9900\,J_{3,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}-\frac{9900\,J_{3,\,z,\,R}}{7\,Deltax^2\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$

$$+\frac{\left(-\frac{3960}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{504}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(\frac{3960}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{504}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(\frac{3960}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,R}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(-\frac{112\,Deltax^2\,\Sigma_t^2}{15}+1328+\frac{3960}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{504}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(16-\frac{3960}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{504}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,R}}{7\,Deltax^2\,\Sigma_t^2}$$

$$-\frac{9900\,J_{3,\,x,\,L}}{7\,Deltax^3\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{9900\,J_{3,\,x,\,R}}{7\,Deltax^3\,\Sigma_t^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$

$$+\frac{\left(-\frac{3960}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{504}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,R}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(\frac{3960}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{504}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{\left(16+\frac{3960}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{504}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,R}}{7\,Deltax^2\,\Sigma_t^2}$$

$$+\frac{1482\,\phi_{2,\,x,\,L}+498\,\phi_{2,\,x,\,R}-\frac{504\,S_0}{\Sigma_{rem,\,0}}}{7\,Deltax^2\,\Sigma_t^2}+\frac{\left(\frac{112\,Deltax^2\,\Sigma_t^2}{15}+1328\right)jh_{3,\,inc,\,x,\,L}}{7\,Deltax^2\,\Sigma_t^2}$$

$$jh_{3,\,out,\,x,\,R}-jh_{3,\,inc,\,x,\,R}=$$

$$-\frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{770000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(-2800\,Deltax^2\,\Sigma_t^2+\frac{222400}{3}\right)jh_{3,\,out,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3}+\frac{72\,S_0}{Deltax^3\,\Sigma_t^3\,\Sigma_{rem,\,0}}$$

$$-\frac{9\left(-2800\,Deltax^2\,\Sigma_t^2+\frac{222400}{3}\right)jh_{3,\,inc,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{770000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{770000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{21000\,Deltax\,\Sigma_t^2}{-5\,\alpha+4\,\Sigma_{rem,\,0}}-\frac{770000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3}-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(\right.\right.$$

$$-210\left(-\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{40}{3}\right)Deltax^2\,\Sigma_t^2+30400-\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$

$$\left.\left.+\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,L}\right)$$

$$-\frac{9\left(\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{770000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$
-\frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}
$$

$$
-\frac{9\left(210\,Deltax^2\,\Sigma_t^2+60600\right)\phi_{2,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3}-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(\right.\right.
$$

$$
\left.-210\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{40}{3}\right)Deltax^2\,\Sigma_t^2+30400+\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right.
$$

$$
\left.\left.-\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,L}\right)
$$

$$
-\frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3}
$$

$$
-\frac{9\left(29400\,Deltax^2\,\Sigma_t^2-756000\right)\bar{\phi}_{2,\,x,\,2}}{4900\,Deltax^3\,\Sigma_t^3}-\frac{9\left(-4410\,Deltax^2\,\Sigma_t^2+93400\right)\phi_{2,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3}+\left(
$$

$$
-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(-210\left(-\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{40}{3}\right)Deltax^2\,\Sigma_t^2+\frac{222400}{3}\right.\right.
$$

$$
\left.\left.-\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)\right)-\frac{2}{5\,\Sigma_t}\right)j_{1,\,out,\,x,\,R}+\frac{432\,\bar{\Phi}_{0,\,x,\,1}}{7\,Deltax^3\,\Sigma_t^3}
$$

$$
+\frac{720\,\bar{\Phi}_{0,\,x,\,2}}{Deltax^3\,\Sigma_t^3}
$$

$$
-\frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3}
$$

$$
-\frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3}+\left(
$$

$$
-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(-210\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{40}{3}\right)Deltax^2\,\Sigma_t^2+\frac{222400}{3}\right.\right.
$$

$$
\left.\left.+\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)\right)+\frac{2}{5\,\Sigma_t}\right)j_{1,\,inc,\,x,\,R}
$$

$$- \frac{9\left(\frac{21000\,Deltax\,\Sigma_t^2}{-5\,\alpha+4\,\Sigma_{rem,\,0}} - \frac{770000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right) J_{3,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(2800\,Deltax^2\,\Sigma_t^2+30400\right) jh_{3,\,inc,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} - \frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} - \frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} - \frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(12600\,Deltax^2\,\Sigma_t^2-64800\right)\bar{\phi}_{2,\,x,\,1}}{4900\,Deltax^3\,\Sigma_t^3} - \frac{9\left(2800\,Deltax^2\,\Sigma_t^2+30400\right) jh_{3,\,out,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$jh_{3,\,out,\,x,\,L} - jh_{3,\,inc,\,x,\,L} = - \frac{9\left(-\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{770000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right) J_{3,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{72\,S_0}{Deltax^3\,\Sigma_t^3\,\Sigma_{rem,\,0}}$$

$$- \frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} - \frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$- \frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} + \frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)} - \frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(-\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{770000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{308000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(-\frac{21000\,Deltax\,\Sigma_t^2}{-5\,\alpha+4\,\Sigma_{rem,\,0}}+\frac{770000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3}-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(\right.\right.$$

$$-210\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{40}{3}\right)Deltax^2\,\Sigma_t^2-30400+\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$

$$\left.\left.-\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,R}\right)-\frac{9\left(-\frac{21000\,Deltax\,\Sigma_t^2}{-5\,\alpha+4\,\Sigma_{rem,\,0}}+\frac{770000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$+\left(-\frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(-210\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{40}{3}\right)Deltax^2\,\Sigma_t^2\right.\right.\right.$$

$$\left.\left.\left.-\frac{222400}{3}+\frac{308000}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)\right)-\frac{2}{5\,\Sigma_t}\right)j_{1,\,out,\,x,\,L}$$

$$-\frac{9\left(-\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{770000}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}\right)J_{3,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$-\frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{308000}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3}$$

$$
\begin{aligned}
&- \frac{9\left(-2800\,Deltax^2\,\Sigma_t^2 - 30400\right) jh_{3,\,inc,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3} - \frac{9\left(2800\,Deltax^2\,\Sigma_t^2 - \frac{222400}{3}\right) jh_{3,\,out,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3} \\
&+ \frac{432\,\bar{\Phi}_{0,\,x,\,1}}{7\,Deltax^3\,\Sigma_t^3} - \frac{720\,\bar{\Phi}_{0,\,x,\,2}}{Deltax^3\,\Sigma_t^3} - \frac{9\left(4410\,Deltax^2\,\Sigma_t^2 - 93400\right)\phi_{2,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(-210\,Deltax^2\,\Sigma_t^2 - 60600\right)\phi_{2,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(-\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{308000}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{39200}{Deltay\,\Sigma_{rem,\,0}}\right) j_{1,\,out,\,y,\,R}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(-29400\,Deltax^2\,\Sigma_t^2 + 756000\right)\bar{\phi}_{2,\,x,\,2}}{4900\,Deltax^3\,\Sigma_t^3} - \frac{9\left(2800\,Deltax^2\,\Sigma_t^2 - \frac{222400}{3}\right) jh_{3,\,inc,\,x,\,L}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(\frac{8400\,Deltax^2\,\Sigma_t^2}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{308000}{Deltaz\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{39200}{Deltaz\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,z,\,L}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(-2800\,Deltax^2\,\Sigma_t^2 - 30400\right) jh_{3,\,out,\,x,\,R}}{4900\,Deltax^3\,\Sigma_t^3} - \frac{9\left(12600\,Deltax^2\,\Sigma_t^2 - 64800\right)\bar{\phi}_{2,\,x,\,1}}{4900\,Deltax^3\,\Sigma_t^3} \\
&- \frac{9\left(-\frac{21000\,Deltax^2\,\Sigma_t^2}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{770000}{Deltay\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)}\right) J_{3,\,y,\,L}}{4900\,Deltax^3\,\Sigma_t^3} + \Bigg( \\
&- \frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(-210\left(-\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{40}{3}\right) Deltax^2\,\Sigma_t^2 - \frac{222400}{3}\right.\right. \\
&\left.\left. - \frac{308000}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right)\right) + \frac{2}{5\,\Sigma_t}\Bigg) j_{1,\,inc,\,x,\,L} \\
&- \frac{1}{4900\,Deltax^3\,\Sigma_t^3}\left(9\left(-210\left(-\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{40}{3}\right) Deltax^2\,\Sigma_t^2 - 30400\right.\right. \\
&\left.\left. - \frac{308000}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{39200}{Deltax\,\Sigma_{rem,\,0}}\right) j_{1,\,inc,\,x,\,R}\right)
\end{aligned}
$$

$$
j_{1,\,out,\,x,\,R} - j_{1,\,inc,\,x,\,R} = \frac{128\,jh_{3,\,out,\,x,\,R}}{3\,Deltax} + \frac{128\,jh_{3,\,inc,\,x,\,R}}{3\,Deltax} + \frac{32\,jh_{3,\,out,\,x,\,L}}{3\,Deltax} + \frac{32\,jh_{3,\,inc,\,x,\,L}}{3\,Deltax}
$$

$$+\frac{32\,\phi_{2,\,x,\,R}}{Deltax}+\frac{8\,\phi_{2,\,x,\,L}}{Deltax}+\frac{\left(\frac{128}{3}-\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,R}}{Deltax}$$
$$+\frac{\left(\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,R}}{Deltax}$$
$$+\frac{\left(\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,L}}{Deltax}$$
$$+\frac{\left(-\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,R}}{Deltax}$$
$$+\frac{\left(\frac{128}{3}+\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,R}}{Deltax}$$
$$+\frac{\left(-\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,R}}{Deltax}$$
$$+\frac{\left(\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,R}}{Deltax}$$
$$+\frac{\left(\frac{32}{3}+\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,L}}{Deltax}$$
$$+\frac{\left(\frac{32}{3}-\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,L}}{Deltax}$$
$$+\frac{\left(-\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,L}}{Deltax}$$
$$-\frac{200\,J_{3,\,y,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}-\frac{200\,J_{3,\,y,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$-\frac{200\,J_{3,\,z,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}-\frac{200\,J_{3,\,z,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$-\frac{200\,J_{3,\,x,\,L}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20\,S_0}{Deltax\,\Sigma_{rem,\,0}}$$
$$+\frac{\left(-\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,L}}{Deltax}$$

$$+\frac{\left(\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,L}}{Deltax}-\frac{200\,J_{3,\,x,\,R}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$

$$-\frac{60\,\bar{\Phi}_{0,\,x,\,1}}{Deltax}-\frac{140\,\bar{\Phi}_{0,\,x,\,2}}{Deltax}$$

$$j_{1,\,out,\,x,\,L}-j_{1,\,inc,\,x,\,L}=-\frac{32\,jh_{3,\,out,\,x,\,R}}{3\,Deltax}-\frac{32\,jh_{3,\,inc,\,x,\,R}}{3\,Deltax}-\frac{128\,jh_{3,\,inc,\,x,\,L}}{3\,Deltax}-\frac{8\,\phi_{2,\,x,\,R}}{Deltax}-\frac{32\,\phi_{2,\,x,\,L}}{Deltax}$$

$$+\frac{\left(-\frac{128}{3}-\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,L}}{Deltax}$$

$$+\frac{\left(\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,R}}{Deltax}$$

$$+\frac{\left(-\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,R}}{Deltax}+\frac{-\frac{128\,jh_{3,\,out,\,x,\,L}}{3}+\frac{20\,S_0}{\Sigma_{rem,\,0}}}{Deltax}$$

$$+\frac{\left(\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,R}}{Deltax}$$

$$+\frac{\left(\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,z,\,L}}{Deltax}$$

$$+\frac{\left(-\frac{128}{3}+\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,L}}{Deltax}$$

$$+\frac{\left(-\frac{32}{3}+\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,x,\,R}}{Deltax}$$

$$+\frac{200\,J_{3,\,y,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}+\frac{200\,J_{3,\,y,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$

$$+\frac{200\,J_{3,\,z,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}+\frac{200\,J_{3,\,z,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$

$$+\frac{\left(-\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,R}}{Deltax}$$

$$+\frac{\left(\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,out,\,y,\,L}}{Deltax}+\frac{200\,J_{3,\,x,\,L}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$

$$+\frac{\left(-\frac{80}{Deltaz\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltaz\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,z,\,L}}{Deltax}+\frac{200\,J_{3,\,x,\,R}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$
$$-\frac{60\,\bar{\Phi}_{0,\,x,\,1}}{Deltax}+\frac{140\,\bar{\Phi}_{0,\,x,\,2}}{Deltax}+\frac{\left(-\frac{80}{Deltay\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltay\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,y,\,L}}{Deltax}$$
$$+\frac{\left(-\frac{32}{3}-\frac{80}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{20}{Deltax\,\Sigma_{rem,\,0}}\right)j_{1,\,inc,\,x,\,R}}{Deltax}$$

$$J_{3,\,x,\,R}=\frac{40\,jh_{3,\,out,\,x,\,R}}{3\,Deltax}+\frac{40\,jh_{3,\,inc,\,x,\,R}}{3\,Deltax}-\frac{40\,jh_{3,\,out,\,x,\,L}}{3\,Deltax}-\frac{40\,jh_{3,\,inc,\,x,\,L}}{3\,Deltax}+\frac{21\,\phi_{2,\,x,\,R}}{Deltax}-\frac{140\,\bar{\phi}_{2,\,x,\,2}}{Deltax}$$
$$-\frac{60\,\bar{\phi}_{2,\,x,\,1}}{Deltax}-\frac{\phi_{2,\,x,\,L}}{Deltax}-\frac{40\,j_{1,\,out,\,y,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}+\frac{40\,j_{1,\,inc,\,y,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$-\frac{40\,j_{1,\,out,\,z,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}+\frac{40\,j_{1,\,inc,\,z,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$-\frac{40\,j_{1,\,out,\,z,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}+\frac{40\,j_{1,\,inc,\,z,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$-\frac{40\,j_{1,\,out,\,y,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}+\frac{40\,j_{1,\,inc,\,y,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$+\frac{\left(-\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{40}{3}\right)j_{1,\,out,\,x,\,R}}{Deltax}$$
$$+\frac{\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{40}{3}\right)j_{1,\,inc,\,x,\,R}}{Deltax}-\frac{100\,J_{3,\,y,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$-\frac{100\,J_{3,\,y,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltay}-\frac{100\,J_{3,\,z,\,R}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$-\frac{100\,J_{3,\,z,\,L}}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)Deltaz}-\frac{100\,J_{3,\,x,\,L}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}$$
$$-\frac{100\,J_{3,\,x,\,R}}{Deltax^2\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}+\frac{\left(\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{40}{3}\right)j_{1,\,inc,\,x,\,L}}{Deltax}$$
$$+\frac{\left(-\frac{40}{Deltax\left(-5\,\alpha+4\,\Sigma_{rem,\,0}\right)}-\frac{40}{3}\right)j_{1,\,out,\,x,\,L}}{Deltax}$$

$$J_{3,\,x,\,L} = \frac{40\,jh_{3,\,out,\,x,\,R}}{3\,Deltax} + \frac{40\,jh_{3,\,inc,\,x,\,R}}{3\,Deltax} - \frac{40\,jh_{3,\,out,\,x,\,L}}{3\,Deltax} - \frac{40\,jh_{3,\,inc,\,x,\,L}}{3\,Deltax} + \frac{\phi_{2,\,x,\,R}}{Deltax} + \frac{140\,\bar{\phi}_{2,\,x,\,2}}{Deltax}$$
$$- \frac{60\,\bar{\phi}_{2,\,x,\,1}}{Deltax} - \frac{21\,\phi_{2,\,x,\,L}}{Deltax} + \frac{40\,j_{1,\,out,\,y,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$- \frac{40\,j_{1,\,inc,\,y,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay} + \frac{40\,j_{1,\,out,\,z,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$- \frac{40\,j_{1,\,inc,\,z,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz} + \frac{40\,j_{1,\,out,\,z,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$- \frac{40\,j_{1,\,inc,\,z,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz} + \frac{40\,j_{1,\,out,\,y,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$- \frac{40\,j_{1,\,inc,\,y,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay} + \frac{\left(-\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{40}{3}\right)j_{1,\,inc,\,x,\,L}}{Deltax}$$
$$+ \frac{\left(-\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{40}{3}\right)j_{1,\,inc,\,x,\,R}}{Deltax}$$
$$+ \frac{\left(\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} - \frac{40}{3}\right)j_{1,\,out,\,x,\,L}}{Deltax}$$
$$+ \frac{\left(\frac{40}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)} + \frac{40}{3}\right)j_{1,\,out,\,x,\,R}}{Deltax} + \frac{100\,J_{3,\,y,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay}$$
$$+ \frac{100\,J_{3,\,y,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltay} + \frac{100\,J_{3,\,z,\,R}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz}$$
$$+ \frac{100\,J_{3,\,z,\,L}}{Deltax\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)Deltaz} + \frac{100\,J_{3,\,x,\,L}}{Deltax^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)}$$
$$+ \frac{100\,J_{3,\,x,\,R}}{Deltax^2\left(-5\,\alpha + 4\,\Sigma_{rem,\,0}\right)}$$