$$\begin{bmatrix}
\frac{16\left(Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}-120\right)}{15\,Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{64}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{16\left(Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}+120\right)}{15\,Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{64}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & 0 & 0 & 1-\frac{672\,\Sigma_t+648\,\Sigma_{rem,\,1}}{7\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{-336\,\Sigma_t-324\,\Sigma_{rem,\,1}}{7\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{144}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{672}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{1944}{7\,Deltax^2\,\Sigma_t^2} & \frac{1296}{Deltax^2\,\Sigma_t^2} \\
-\frac{64}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{16\left(Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}-120\right)}{15\,Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{64}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{16\left(Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}+120\right)}{15\,Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & 0 & 0 & \frac{-336\,\Sigma_t-324\,\Sigma_{rem,\,1}}{7\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}} & 1-\frac{672\,\Sigma_t+648\,\Sigma_{rem,\,1}}{7\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}} & -\frac{144}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{672}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & -\frac{1944}{7\,Deltax^2\,\Sigma_t^2} & \frac{1296}{Deltax^2\,\Sigma_t^2} \\
\frac{768}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}}-\frac{2}{5} & \frac{576}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & 1+\frac{768}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{576}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & 0 & 0 & \frac{-1512\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}+20160\,\Sigma_t+19440\,\Sigma_{rem,\,1}}{245\,\Sigma_t^3\,\Sigma_{rem,\,1}\,Deltax^3} & \frac{-378\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}+15120\,\Sigma_t+14580\,\Sigma_{rem,\,1}}{245\,\Sigma_t^3\,\Sigma_{rem,\,1}\,Deltax^3} & -\frac{432}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & -\frac{720}{Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{1134\,Deltax^2\,\Sigma_t^2-5832}{49\,\Sigma_t^3\,Deltax^3} & \frac{378\,Deltax^2\,\Sigma_t^2-9720}{7\,\Sigma_t^3\,Deltax^3} \\
\frac{576}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{768}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}}+\frac{2}{5} & \frac{576}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & 1+\frac{768}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & 0 & 0 & \frac{-378\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}+15120\,\Sigma_t+14580\,\Sigma_{rem,\,1}}{245\,\Sigma_t^3\,\Sigma_{rem,\,1}\,Deltax^3} & \frac{-1512\,Deltax^2\,\Sigma_t^2\,\Sigma_{rem,\,1}+20160\,\Sigma_t+19440\,\Sigma_{rem,\,1}}{245\,\Sigma_t^3\,\Sigma_{rem,\,1}\,Deltax^3} & \frac{432}{7\,Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & -\frac{720}{Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{-1134\,Deltax^2\,\Sigma_t^2+5832}{49\,\Sigma_t^3\,Deltax^3} & \frac{378\,Deltax^2\,\Sigma_t^2-9720}{7\,\Sigma_t^3\,Deltax^3} \\
1+\frac{128\,D_0}{3\,Deltax} & \frac{32\,D_0}{3\,Deltax} & \frac{128\,D_0}{3\,Deltax} & \frac{32\,D_0}{3\,Deltax} & 0 & 0 & \frac{32\,D_0}{Deltax} & \frac{8\,D_0}{Deltax} & -\frac{60\,D_0}{Deltax} & -\frac{140\,D_0}{Deltax} & 0 & 0 \\
\frac{32\,D_0}{3\,Deltax} & 1+\frac{128\,D_0}{3\,Deltax} & \frac{32\,D_0}{3\,Deltax} & \frac{128\,D_0}{3\,Deltax} & 0 & 0 & \frac{8\,D_0}{Deltax} & \frac{32\,D_0}{Deltax} & \frac{60\,D_0}{Deltax} & -\frac{140\,D_0}{Deltax} & 0 & 0 \\
0 & 0 & 0 & 0 & 1 & 0 & \frac{16\,D_2}{Deltax} & \frac{4\,D_2}{Deltax} & 0 & 0 & -\frac{60\,D_2}{Deltax} & -\frac{140\,D_2}{Deltax} \\
0 & 0 & 0 & 0 & 0 & 1 & \frac{4\,D_2}{Deltax} & \frac{16\,D_2}{Deltax} & 0 & 0 & \frac{60\,D_2}{Deltax} & -\frac{140\,D_2}{Deltax}
\end{bmatrix} \tag{1}$$

$$\begin{bmatrix}
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0
\end{bmatrix} \tag{2}$$

$$\begin{bmatrix}
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0
\end{bmatrix} \tag{3}$$

$$\begin{bmatrix}
\frac{72}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{972}{7\,Deltax^2\,\Sigma_t^2} \\
\frac{72}{Deltax^2\,\Sigma_t\,\Sigma_{rem,\,1}} & \frac{972}{7\,Deltax^2\,\Sigma_t^2} \\
-\frac{72}{Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{54\,Deltax^2\,\Sigma_t^2-972}{7\,\Sigma_t^3\,Deltax^3} \\
-\frac{72}{Deltax^3\,\Sigma_t^2\,\Sigma_{rem,\,1}} & \frac{54\,Deltax^2\,\Sigma_t^2-972}{7\,\Sigma_t^3\,Deltax^3} \\
-\frac{20\,D_0}{Deltax} & 0 \\
-\frac{20\,D_0}{Deltax} & 0 \\
0 & -\frac{20\,D_2}{Deltax} \\
0 & -\frac{20\,D_2}{Deltax}
\end{bmatrix} \tag{4}$$

$$\begin{bmatrix}
\frac{3\,Deltax+16\,D_0}{6\,\Sigma_{rem,\,0}\,Deltax^2} & \frac{-3\,Deltax-16\,D_0}{6\,\Sigma_{rem,\,0}\,Deltax^2} & \frac{8\,D_0}{3\,\Sigma_{rem,\,0}\,Deltax^2} & -\frac{8\,D_0}{3\,\Sigma_{rem,\,0}\,Deltax^2} & 0 & 0 & \frac{2\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & -\frac{2\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & 1 & 0 & -2 & 0 \\
\frac{Deltax+16\,D_0}{2\,\Sigma_{rem,\,0}\,Deltax^2} & \frac{Deltax+16\,D_0}{2\,\Sigma_{rem,\,0}\,Deltax^2} & \frac{8\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & \frac{8\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & 0 & 0 & \frac{6\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & \frac{6\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & 0 & 1 & 0 & -2 \\
0 & 0 & 0 & 0 & \frac{1}{2\,\alpha\,Deltax} & -\frac{1}{2\,\alpha\,Deltax} & \frac{D_2}{\alpha\,Deltax^2} & -\frac{D_2}{\alpha\,Deltax^2} & -\frac{2\,\Sigma_{rem,\,0}}{5\,\alpha} & 0 & 1 & 0 \\
0 & 0 & 0 & 0 & \frac{1}{2\,\alpha\,Deltax} & \frac{1}{2\,\alpha\,Deltax} & \frac{3\,D_2}{\alpha\,Deltax^2} & \frac{3\,D_2}{\alpha\,Deltax^2} & 0 & -\frac{2\,\Sigma_{rem,\,0}}{5\,\alpha} & 0 & 1 \\
\frac{2}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{2}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & \frac{5}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{5}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0 \\
\frac{5\,\alpha}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & \frac{5\,\alpha}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & 0 & 0 & \frac{10}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{10}{Deltax\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix} \tag{5}$$

$$\begin{bmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
\frac{2}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{2}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & \frac{5}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{5}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0 \\
\frac{5\,\alpha}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & \frac{5\,\alpha}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & 0 & 0 & \frac{10}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{10}{Deltay\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix} \tag{6}$$

$$\begin{bmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
\frac{2}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{2}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & \frac{5}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{5}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0 \\
\frac{5\,\alpha}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & \frac{5\,\alpha}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)\Sigma_{rem,\,0}} & 0 & 0 & \frac{10}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & \frac{10}{Deltaz\left(5\,\alpha-4\,\Sigma_{rem,\,0}\right)} & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix} \tag{7}$$

$$\begin{bmatrix}
0 & 0 \\
-\frac{6\,D_0}{\Sigma_{rem,\,0}\,Deltax^2} & 0 \\
0 & 0 \\
0 & -\frac{6\,D_2}{\alpha\,Deltax^2} \\
0 & 1 \\
1 & 0
\end{bmatrix} \tag{8}$$