$$\begin{split} & J_{1, out, \chi, R} - J_{1, inc, \chi, R} = \frac{128 \, D_0 J_{3, out, \chi, R}}{5 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, inc, \chi, R}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{128 \, D_0 J_{3, inc, \chi, R}}{5 \, Deltax \, DF_{0, \chi, R}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, R}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, L}}{5 \, Deltax \, DF_{0, \chi, L}} - \frac{128 \, D_0 J_{3, inc, \chi, L}}{Deltax} - \frac{20 \, D_0 \, \Phi_0}{Deltax} - \frac{60 \, D_0 \, \Phi_{0, \chi, 1}}{Deltax} + \frac{140 \, D_0 \, \Phi_{0, \chi, 2}}{Deltax} - \frac{896 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{32 \, D_0 J_{3, inc, \chi, R}}{5 \, Deltax \, DF_{0, \chi, R}} - \frac{32 \, D_0 J_{3, inc, \chi, R}}{5 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{224 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, R}} - \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, Deltax \, DF_{0, \chi, L}} - \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, DF_{0, \chi, L}} + \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, DF_{0, \chi, L}} - \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, DF_{0, \chi, L}} - \frac{226 \, D_0 J_{1, out, \chi, L}}{25 \, DF_{0, \chi, L}} - \frac{226 \, D_0 J_{1, \omega, L}}{25 \, DF_{0, \chi, L}} - \frac{226 \, D_0$$

$$\begin{split} & \bar{\Phi}[0,x,1] = \frac{8 \text{ D}_0 j_{3,\text{out},x,L}}{5 \sum_{rem,0} \text{Deltax}^2 DF_{0,x,L}} - \frac{8 \text{ D}_0 j_{3,\text{inc},x,R}}{5 \sum_{rem,0} \text{Deltax}^2 DF_{0,x,R}} + \frac{8 \text{ D}_0 j_{3,\text{inc},x,L}}{5 \sum_{rem,0} \text{Deltax}^2 DF_{0,x,L}} \\ & = \frac{\left(\frac{1}{2 \text{Deltax}} + \frac{56 \text{ D}_0}{25 DF_{0,x,R} \text{Deltax}^2}\right) j_{1,\text{out},x,R}}{\sum_{rem,0}} \\ & = \frac{\sum_{rem,0} \frac{1}{2 \text{Deltax}} - \frac{56 \text{ D}_0}{25 DF_{0,x,L} \text{Deltax}^2}\right) j_{1,\text{out},x,L}}{\sum_{rem,0} \frac{1}{2 \text{Deltax}} + \frac{56 \text{ D}_0}{25 DF_{0,x,R} \text{Deltax}^2}\right) j_{1,\text{inc},x,R}} \\ & = \frac{\sum_{rem,0} \frac{1}{2 \text{Deltax}} - \frac{\sum_{rem,0} \frac{1}{25 DF_{0,x,L} \text{Deltax}^2}}{\sum_{5 \text{De}_{0,x,L} \text{Deltax}^2}}\right) j_{1,\text{inc},x,L}} \\ & = \frac{\sum_{rem,0} \frac{1}{2 \text{Deltax}} - \frac{\sum_{rem,0} \frac{1}{25 DF_{0,x,R} \text{Deltax}^2}}{\sum_{5 \text{De}_{0,x,L} \text{Deltax}^2} DF_{0,x,R}} + 2 \tilde{\phi}_{2,x,1} + \frac{S_{0,x,1}}{\sum_{rem,0} - \frac{L_{1,x,1}}{\sum_{rem,0} \text{Deltaz}}} \\ & = \frac{L_{1,xy,1}}{\sum_{rem,0} \frac{1}{25 Deltax}} - \frac{\sum_{rem,0} \frac{1}{24 \text{ D}_0 j_{3,\text{out},x,R}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,L}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,L}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,L}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,L}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,R}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,R}}}{\sum_{5 \text{De}_{0,x,R} \text{Deltax}^2} DF_{0,x,R}} - \frac{24 \text{ D}_0 j_{3,\text{inc},x,R}}}{\sum_$$

$$\begin{array}{l} \begin{array}{l} \begin{array}{l} \begin{array}{l} 0 \\ [2] = \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, L} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -5 \int_{3, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem, \, 0}) \, Deltax \\ \end{array}{c} \\ \end{array}{c} & \begin{array}{l} -2 \int_{1, \, loc, \, x, \, R} \\ \hline (-5 \, \alpha + 4 \, \Sigma_{rem$$

$$-\frac{D_{2}\left(\frac{28}{25DF_{0,x,R}}-\frac{4}{5DF_{2,x,R}}\right)j_{1,inc,x,R}}{Deltax^{2}\alpha} - D_{2}\left(-\frac{28}{25DF_{0,x,L}}+\frac{4}{5DF_{2,x,L}}\right)j_{1,inc,x,L}}{Deltax^{2}\alpha}$$

$$+\frac{2\sum_{rem,0}\Phi_{0,x,1}}{5\alpha} - \frac{2S_{0,x,1}}{5\alpha} - \frac{L_{3,xz,1}}{\alpha Deltaz} - \frac{L_{3,xz,1}}{\alpha Deltay}$$

$$=\frac{\left(\frac{1}{2Deltax}+\frac{3D_{2}\left(\frac{4}{5DF_{0,x,R}}+\frac{4}{3DF_{2,x,R}}\right)}{Deltax^{2}}\right)j_{3,out,x,R}}{Deltax^{2}}$$

$$=\frac{\left(\frac{1}{2Deltax}+\frac{3D_{2}\left(\frac{4}{5DF_{0,x,L}}+\frac{4}{3DF_{2,x,L}}\right)}{Deltax^{2}}\right)j_{3,out,x,R}}{Deltax^{2}}$$

$$=\frac{\left(\frac{1}{2Deltax}+\frac{3D_{2}\left(\frac{4}{5DF_{0,x,L}}+\frac{4}{3DF_{2,x,L}}\right)}{Deltax^{2}}\right)j_{3,inc,x,R}}{Deltax^{2}}$$

$$=\frac{\left(-\frac{1}{2Deltax}+\frac{3D_{2}\left(\frac{4}{5DF_{0,x,L}}+\frac{4}{3DF_{2,x,L}}\right)}{Deltax^{2}}\right)j_{3,inc,x,L}}{Deltax^{2}}$$

$$=\frac{3D_{2}\left(\frac{28}{25DF_{0,x,R}}-\frac{4}{5DF_{2,x,R}}\right)j_{1,out,x,R}}{Deltax^{2}\alpha}$$

$$=\frac{3D_{2}\left(\frac{28}{25DF_{0,x,L}}-\frac{4}{5DF_{2,x,L}}\right)j_{1,out,x,L}}{Deltax^{2}\alpha}$$

$$=\frac{Deltax^{2}\alpha}{25DF_{0,x,L}}-\frac{4}{5DF_{2,x,L}}\right)j_{1,out,x,L}}{Deltax^{2}\alpha}$$

$$=\frac{Deltax^{2}\alpha}{Deltax^{2}\alpha}$$

$$=\frac{Deltax^{2}\alpha}{Deltax^{2}\alpha}$$

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