## Appendix

The seven simultaneous algebraic equations for the coefficients
$\left[\begin{array}{lllllll}C_{11} & C_{12} & C_{13} & C_{14} & C_{15} & C_{16} & C_{17} \\ C_{21} & C_{22} & C_{23} & C_{24} & C_{25} & C_{26} & C_{27} \\ C_{31} & C_{32} & C_{33} & C_{34} & C_{35} & C_{36} & C_{37} \\ C_{41} & C_{42} & C_{43} & C_{44} & C_{45} & C_{46} & C_{47} \\ C_{51} & C_{52} & C_{53} & C_{54} & C_{55} & C_{56} & C_{57} \\ C_{61} & C_{62} & C_{63} & C_{64} & C_{65} & C_{66} & C_{67} \\ C_{71} & C_{72} & C_{73} & C_{74} & C_{75} & C_{76} & C_{77}\end{array}\right]\left\{\begin{array}{l}a_{1} \\ a_{2} \\ a_{3} \\ a_{4} \\ a_{5} \\ a_{6} \\ a_{7}\end{array}\right\}=\left\{\begin{array}{l}P_{1} \\ P_{2} \\ P_{3} \\ P_{4} \\ P_{5} \\ P_{6} \\ P_{7}\end{array}\right\}$
where, $C_{11}=\frac{131072 b D_{11}}{1575 a^{3}}+\frac{524288 D_{12}}{11025 a b}+\frac{131072 a D_{22}}{1575 b^{3}}+\frac{1048576 D_{66}}{11025 a b}-\frac{65536 b N_{x a}}{33075 a}$,
$C_{12}=\frac{131072 b D_{11}}{11025 a^{3}}+\frac{131072 a D_{22}}{17325 b^{3}}$,
$C_{13}=\frac{131072 b D_{11}}{17325 a^{3}}+\frac{131072 a D_{22}}{11025 b^{3}}-\frac{65536 b N_{x a}}{363825 a}$,
$C_{14}=\frac{131072 b D_{11}}{33075 a^{3}}-\frac{524288 D_{12}}{363825 a b}+\frac{131072 a D_{22}}{75075 b^{3}}-\frac{1048576 D_{66}}{363825 a b}+\frac{65536 b N_{x a}}{1091475 a}$,
$C_{15}=\frac{131072 b D_{11}}{75075 a^{3}}-\frac{524288 D_{12}}{363825 a b}+\frac{131072 a D_{22}}{33075 b^{3}}-\frac{1048576 D_{66}}{363825 a b}-\frac{65536 b N_{x a}}{1576575 a}$,
$C_{16}=\frac{65536 b D_{11}}{11025 a^{2}}+\frac{65536 D_{12}}{33075 b}+\frac{131072 D_{66}}{33075 b}$,
$C_{17}=\frac{65536 D_{12}}{33075 a}+\frac{65536 a D_{22}}{11025 b^{2}}+\frac{131072 D_{66}}{33075 a}$,
$C_{21}=C_{12}, C_{22}=\frac{131072 b D_{11}}{3675 a^{3}}+\frac{524288 D_{12}}{121275 a b}+\frac{131072 a D_{22}}{75075 b^{3}}+\frac{1048576 D_{66}}{121275 a b}-\frac{65536 b N_{x a}}{363825 a}$,
$C_{23}=\frac{131072 b D_{11}}{121275 a^{3}}+\frac{131072 a D_{22}}{121275 b^{3}}$,
$C_{24}=\frac{6946816 b D_{11}}{363825 a^{3}}+\frac{1048576 D_{12}}{675675 a b}+\frac{131072 a D_{22}}{225225 b^{3}}+\frac{2097152 D_{66}}{675675 a b}-\frac{131072 b N_{x a}}{2027025 a}$,
$C_{25}=\frac{131072 b D_{11}}{525525 a^{3}}+\frac{131072 a D_{22}}{363825 b^{3}}$,
$C_{26}=-\frac{65536 b D_{11}}{33075 a^{2}}-\frac{65536 D_{12}}{363825 b}-\frac{131072 D_{66}}{363825 b}$,
$C_{27}=\frac{65536 a D_{22}}{121275 b^{2}}$,
$C_{31}=C_{13}, C_{32}=C_{23}$,
$C_{33}=\frac{131072 b D_{11}}{75075 a^{3}}+\frac{524288 D_{12}}{121275 a b}+\frac{131072 a D_{22}}{3675 b^{3}}+\frac{1048576 D_{66}}{121275 a b}-\frac{65536 b N_{x a}}{1576575 a}$,
$C_{34}=\frac{131072 b D_{11}}{363825 a^{3}}+\frac{131072 a D_{22}}{525525 b^{3}}+\frac{65536 b N_{x a}}{12006225 a}$,
$C_{35}=\frac{131072 b D_{11}}{225225 a^{3}}+\frac{1048576 D_{12}}{675675 a b}+\frac{6946816 a D_{22}}{363825 b^{3}}+\frac{2097152 D_{66}}{675675 a b}-\frac{65536 b N_{x a}}{4729725 a}$,
$C_{36}=\frac{65536 b D_{11}}{121275 a^{2}}$,
$C_{37}=-\frac{65536 D_{12}}{363825 a}-\frac{65536 a D_{22}}{33075 b^{2}}-\frac{131072 D_{66}}{363825 a}$,
$C_{41}=C_{14}, C_{42}=C_{24}, C_{43}=C_{34}$,
$C_{44}=\frac{84279296 b D_{11}}{4729725 a^{3}}+\frac{524288 D_{12}}{525525 a b}+\frac{131072 a D_{22}}{546975 b^{3}}+\frac{1048576 D_{66}}{525525 a b}-\frac{65536 b N_{x a}}{1576575 a}$,
$C_{45}=\frac{131072 b D_{11}}{1576575 a^{3}}+\frac{524288 D_{12}}{12006225 a b}+\frac{131072 a D_{22}}{1576575 h^{3}}+\frac{1048576 D_{66}}{12006225 a b}+\frac{65536 b N_{x a}}{52026975 a}$,
$C_{46}=-\frac{65536 b D_{11}}{51975 a^{2}}-\frac{65536 D_{12}}{525525 b}-\frac{131072 D_{66}}{525525 b}$,
$C_{47}=-\frac{65536 D_{12}}{1091475 a}+\frac{65536 a D_{22}}{525525 b^{2}}-\frac{131072 D_{66}}{1091475 a}$,
$C_{51}=C_{15}, C_{52}=C_{25}, C_{53}=C_{35}, C_{54}=C_{45}$,
$C_{55}=\frac{131072 b D_{11}}{546975 a^{3}}+\frac{524288 D_{12}}{525525 a b}+\frac{84279296 a D_{22}}{4729725 b^{3}}+\frac{1048576 D_{66}}{525525 a b}-\frac{65536 b N_{x a}}{11486475 a}$,
$C_{56}=\frac{65536 b D_{11}}{525525 a^{2}}-\frac{65536 D_{12}}{1091475 b}-\frac{131072 D_{66}}{1091475 b}$,
$C_{57}=-\frac{65536 D_{12}}{525525 a}-\frac{65536 a D_{22}}{51975 b^{2}}-\frac{131072 D_{66}}{525525 a}$,
$C_{61}=C_{16}, C_{62}=C_{26}, C_{63}=C_{36}, C_{64}=C_{46}, C_{65}=C_{56}$,
$C_{66}=\frac{16384 a b A_{55}}{1091475}+\frac{65536 b D_{11}}{99225 a}+\frac{65536 a D_{66}}{363825 b}$,
$C_{67}=\frac{16384 D_{12}}{99225}+\frac{16384 D_{66}}{99225}$,
$C_{71}=C_{17}, C_{72}=C_{27}, C_{73}=C_{37}, C_{74}=C_{47}, C_{75}=C_{57}, C_{76}=C_{67}$,
$C_{77}=\frac{16384 a b A_{44}}{1091475}+\frac{65536 a D_{22}}{99225 b}+\frac{65536 b D_{66}}{363825 a}$,
$P_{1}=-\frac{64 a b p}{225}$,
$P_{2}=P_{3}=-\frac{64 a b p}{1575}$,
$P_{4}=P_{5}=-\frac{64 a b p}{4725}$,
$P_{6}=P_{7}=0$

