$$
\begin{aligned}
a^{\infty}_{lmn} =& \frac{1}{\psi^{\infty}_{\ell mn}(r_{\max})}\Big\{\psi^{\infty}_{\ell mn}(r_{\max})[b^{\infty}_{lmn} + C^{\infty}_{lmn}(r_{\max})] \\
&+ b^{h}_{lmn}\psi^{h}_{\ell mn}(r_{\max}) + \psi^{\mathcal{P}}_{\ell mn}(r_{\max})\Big\} \\
a^{h}_{lmn} =& \frac{1}{\psi^{h}_{\ell mn}(r_{\min})}\Big\{b^{\infty}_{lmn}\psi^{\infty}_{\ell mn}(r_{\min}) \\
&+ \psi^{h}_{\ell mn}(r_{\min})[b^{h}_{lmn} + C^{h}_{lmn}(r_{\min})] + \psi^{\mathcal{P}}_{\ell mn}(r_{\min})\Big\}
\end{aligned}
$$