

$$\begin{aligned}
B(r, \phi, \lambda) = & \frac{\mu}{r} \left[ \sum_{n=2}^{\infty} \left( \left( \frac{R_e}{r} \right)^n J_n P_n(s\phi) \right. \right. \\
& \left. \left. + \sum_{m=1}^n \left( \left( \frac{R_e}{r} \right)^n (C_{nm} \cos m\lambda + S_{nm} \sin m\lambda) P_{nm}(s\phi) \right) \right) \right] \quad (4.16)
\end{aligned}$$