

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