FIGURE 1.5: The earth's interior

shall also quote from (Landolt–Börnstein, 1984, p. 88) the following numerical values
corresponding to a piecewise polynomial representation

$$\rho = a_0 + a_1\beta + a_2\beta^2 + a_3\beta^3 \quad , \tag{1–91}$$

where

$$\beta = \frac{r}{R} \tag{1–92}$$

is the normalized radius vector, increasing from 0 (geocenter) to 1 (earth's surface);
it is clear that all models for the earth's interior here are spherical. The density ρ is
in g/cm^3.