

## Radius

$$R = R_s \sqrt{\frac{\text{transit depth}}{100}}$$

$$R = 0.65 \times 696,340 \sqrt{0,0012}$$

$$R = 15,679.25137 \text{ [km]}$$

## Volume

$$V = \frac{4}{3} \pi R^3$$

$$V = \frac{4}{3} \pi \times (15,679.25137 \times 10^5)^3$$

$$V = 1.6146 \times 10^{28} \text{ [cm}^3\text{]}$$

## Density

$$\rho = \frac{M}{V}$$

$$\rho = \frac{9.7 \times 5.972 \times 10^{27}}{1.6146 \times 10^{28}}$$

$$\rho = 3.587786 \text{ [g.cm}^{-3}\text{]}$$