PAG. 520 N 62

$$(\sqrt{1} = 30 \text{ m/s})$$
 $\sqrt{1} = 0$
 $\sqrt{1} = 0$
 $\sqrt{2} = 0$

$$N_{CM} = \frac{M_1 N_1 + M_2 N_2}{M_1 + M_2} =$$

$$= \frac{92.30 M_3}{0.4} = 1.5 M_3$$

$$S R_s = 7.0 \times 10^5 \text{ km}$$
 $T = 6.0 \times 10^{24} \text{ kg}$
 $M_s = 2.0 \times 10^{30} \text{ kg}$

$$X_{CM} = \frac{M_S X_S + M_T X_T}{M_S + M_T} = \frac{2,0 \times 10^{30} \cdot 0 + 6,0 \times 10^{24} \cdot 1,5 \times 10^8 \text{ tom}}{2,0 \times 10^{30} + 6,0 \times 10^{24}} = \frac{9,0 \times 10^{32} \text{ km}}{2,0000060 \times 10^{30}} = \frac{9,0 \times 10^{30} \text{ km}}{2,0000060 \times 10^{30}} = 4,5 \times 10^2 \text{ km}.$$