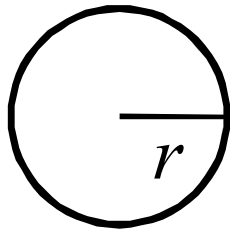


$$r_1 \approx 5000 \text{ km}$$

Contraction



$$r_2 \approx 20 \text{ km}$$