

Eratosthenes method for determining the size of the Earth

$$50 \cdot 5000 = 250000 \text{ stadia} \\ \approx 56000000 \text{ meters}$$

Alexandria

Vertical at Alexandria

Parallel rays to the Sun

Vertical to Syene

5000 stadia

Syene (aswan) Wall

Equator

Earth's surface

$7^{\circ}12'$ or $1/50$ th of a circle

Center of the Earth

