

# Eratosthenes method for determining the size of the Earth

$50 \cdot 5000 = 250000$  stadia  
 $\approx 56000000$  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

