

## THE LEAGUE OF SI SUPERHEROES

# PROFESSOR SECOND

UNIT OF TIME  
SYMBOL: S

IT'S ABOUT TIME!



BY READING THE VIBRATIONS OF HER LASER-COOLED CESIUM ATOMS, PROF. SECOND CAN SYNCHRONIZE ANY FREQUENCY AND CORRECT ANY CLOCK.

A SECOND IS THE TIME IT TAKES AN EXCITED CESIUM ATOM TO VIBRATE 9,192,631,770 TIMES.

LEARN MORE ABOUT THE SI SUPERHEROES AT [NIST.GOV/KIDS](http://NIST.GOV/KIDS)

# NIST

National Institute of  
Standards and Technology  
U.S. Department of Commerce

## THE LEAGUE OF SI SUPERHEROES

There are seven SI superheroes, each one representing a different measurement unit. SI stands for *Le Système International d'Unités* (French for "International System of Units"). The SI is also known as the metric system.