

Time Scales

1s \sim Human heart beat

1ms \sim Human reaction times

1 μ s \sim Chemical Reactions

Velocities

1m/s \sim Walking

4m/s \sim Running

20m/s \sim 5 miles/hour

"Mach-1" $V_{\text{sound}} \sim 340$ m/s

$V_{\text{air molecule}} \sim 340$ m/s

$V_{\text{normal plane}} \sim \frac{1}{3} V_s \sim 100$ m/s

$V_{\text{bullet}} \sim \text{mach } 2-3 \sim 600$ m/s

$c \sim 3 \times 10^8$ m/s

\uparrow speed of light