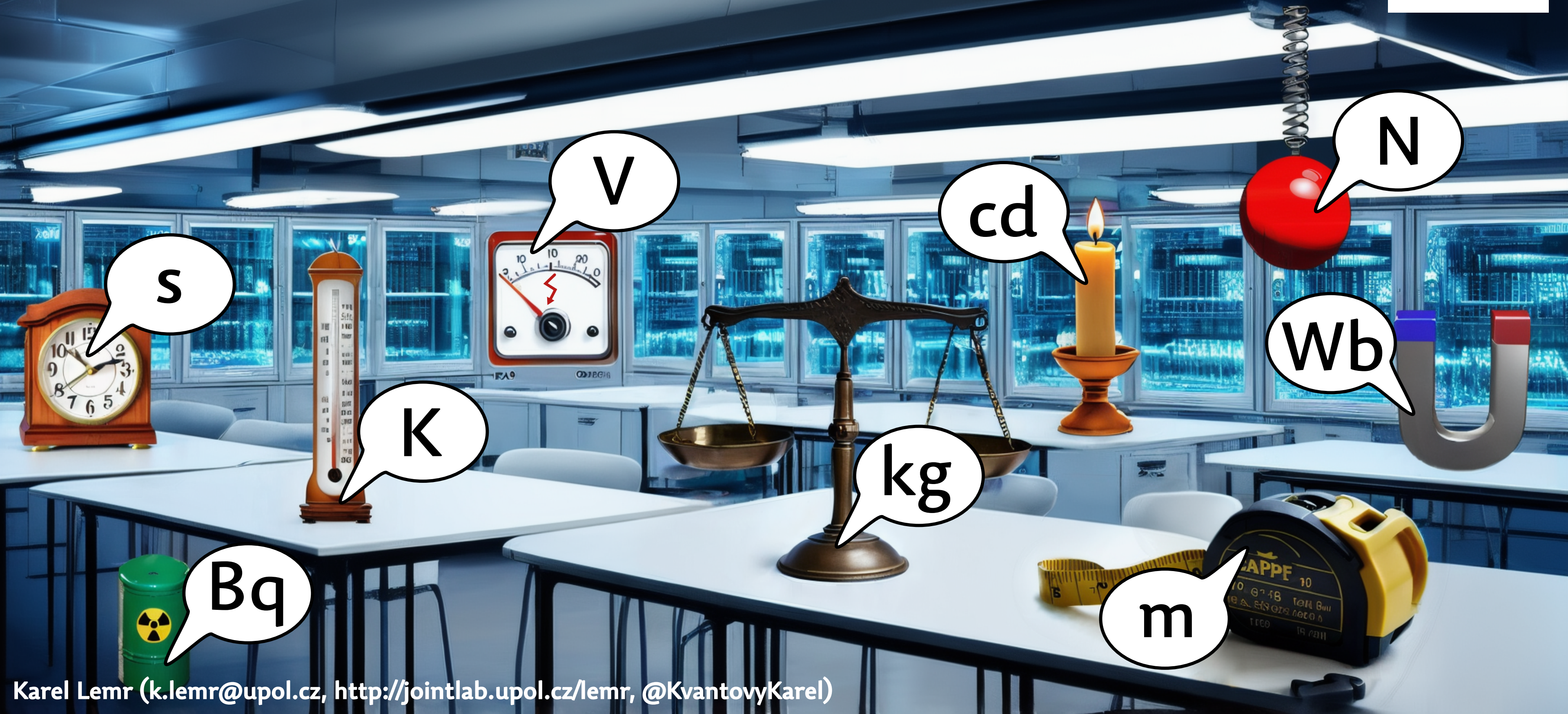
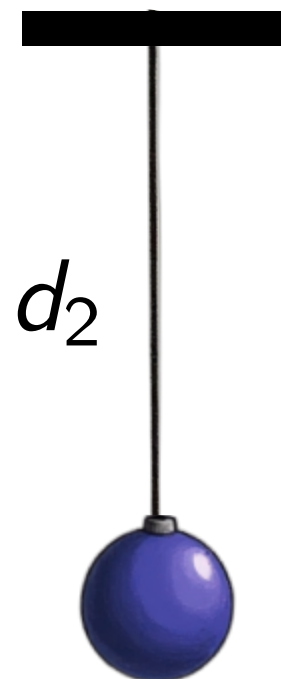
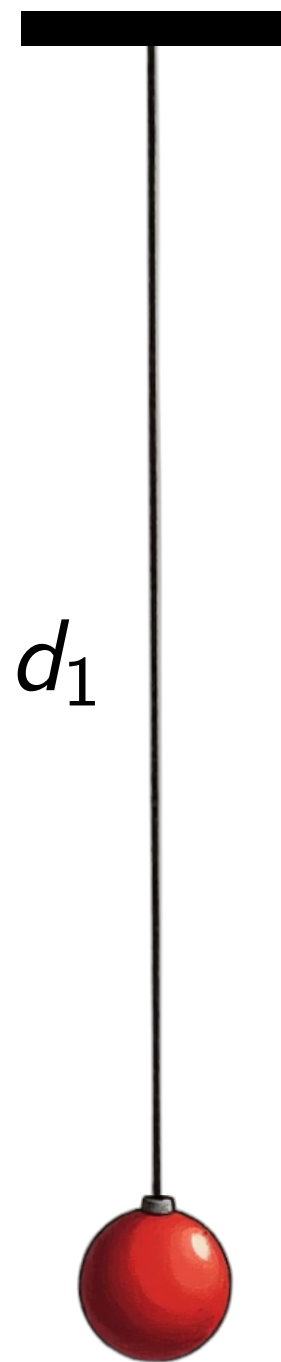


SLO/UFYM



Fyzikální veličiny a jejich jednotky

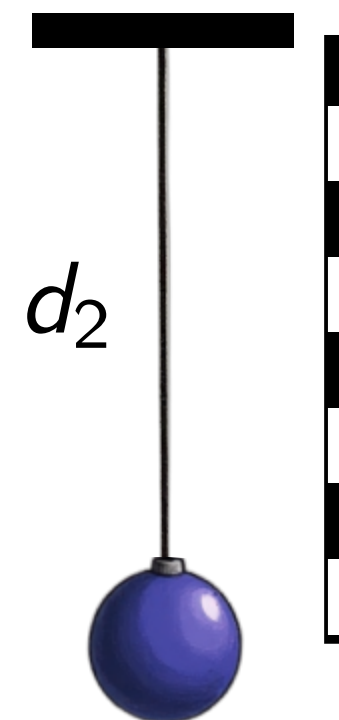
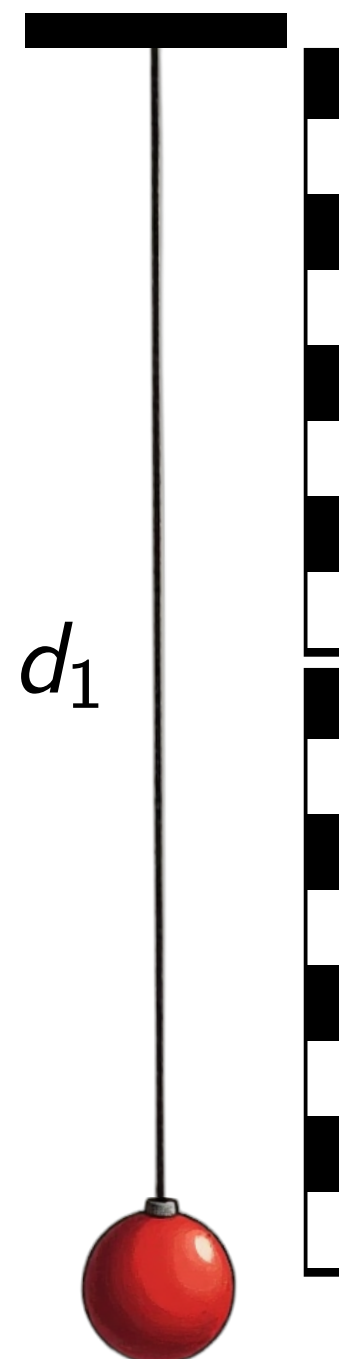




fyzikální veličina: délka



jednotka fyzikální veličiny: loket



$$d_1 = 2 \text{ [ruler units]}$$

$$d_2 = 1 \text{ [ruler units]}$$

$$V = N \text{ [J]}$$

Diagram illustrating the units of energy (Joules, J) using the equation $V = N \text{ [J]}$. Yellow arrows point to the components:

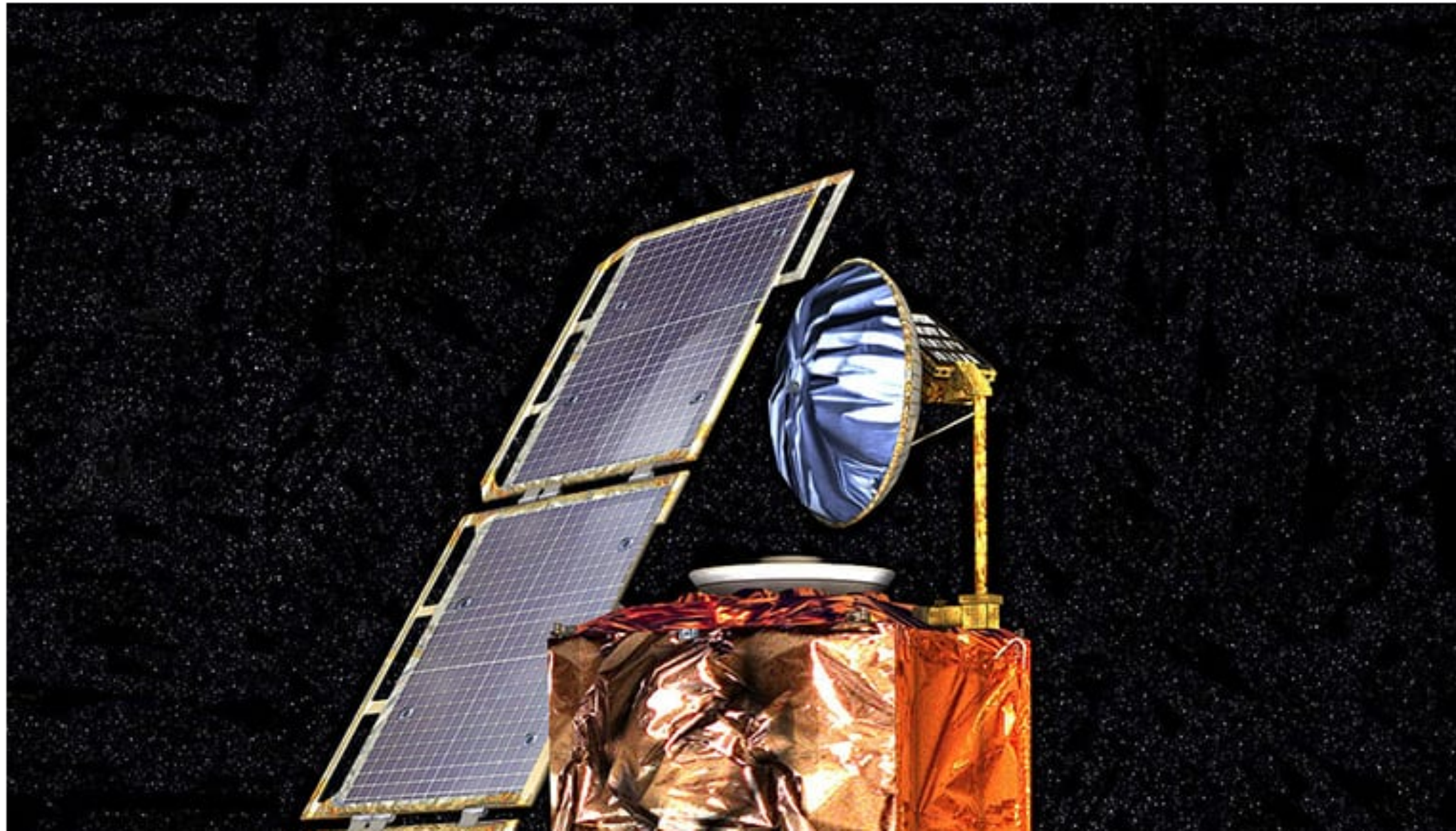
- veličina** (quantity) points to V .
- násobitel** (multiplier) points to N .
- jednotka** (unit) points to $[J]$.

exa	E	10^{18}	1 000 000 000 000 000 000	1975 ^[13]
peta	P	10^{15}	1 000 000 000 000 000	
tera	T	10^{12}	1 000 000 000 000	1960
giga	G	10^9	1 000 000 000	
mega	M	10^6	1 000 000	1873
kilo	k	10^3	1 000	1795
hecto	h	10^2	100	
deca	da	10^1	10	
—	—	10^0	1	—
deci	d	10^{-1}	0.1	1795
centi	c	10^{-2}	0.01	
milli	m	10^{-3}	0.001	
micro	μ	10^{-6}	0.000 001	1873
nano	n	10^{-9}	0.000 000 001	1960
pico	p	10^{-12}	0.000 000 000 001	
femto	f	10^{-15}	0.000 000 000 000 001	1964
atto	a	10^{-18}	0.000 000 000 000 000 001	

https://en.wikipedia.org/wiki/International_System_of_Units



The Mars Climate Orbiter, built at a cost of \$125 million, was a 638-kilogram robotic space probe launched by NASA on December 11, 1998, to study the Martian climate, Martian atmosphere, and surface changes. In addition, its function was to act as the communications relay in the Mars Surveyor '98 program for the Mars Polar Lander. The navigation team at the Jet Propulsion Laboratory (JPL) used the metric system of millimeters and meters in its calculations, while Lockheed Martin Astronautics in Denver, Colorado, which designed and built the spacecraft, provided crucial acceleration data in the English system of inches, feet, and pounds. JPL engineers did not take into consideration that the units had been converted, i.e., the acceleration readings measured in English units of pound-seconds² for a metric measure of force called newton-seconds². In a sense, the spacecraft was lost in translation.



<https://www.simscale.com/blog/nasa-mars-climate-orbiter-metric/>

Usage des Nouvelles Mesures.



J.P. Delion G.... inv.

Labrousse Sculp.

1. le Litre (Pour la Pinte)

2. le Gramme (Pour la Livre)

3. le Mètre (Pour l'Aune)

4. l'Are (Pour la Toise)

5. le Franc (Pour une Livre Tournais)

6. le Stere (Pour la Denree Voie de Bois)

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