SIZING THINGS DOWN

Orders of Magnitude

NanoDays
The Biggest Event for the Smallest Science!

Written as	Measured in	# on card	Viewed using
10^{11}		11	Satellite
10^{10}		10	
10^{9}	Gigameters	9	
10^{8}		8	
10^{7}		7	Optical telescope
10^{6}	Megameters	6	
10^{5}		5	
10^{4}		4	
10^{3}	Kilometers	3	
10^{2}		2	
10^{1}		1	
10^{0}	Meters	0	Human eye
10^{-1}		-1	
10^{-2}	Centimeters	-2	
10^{-3}	Millimeters	-3	
10^{-4}		-4	
10^{-5}		-5	Optical microscope
10^{-6}	Micrometers	-6	
10^{-7}		-7	Scanning electron microscope (SEM)
10^{-8}		-8	
10^{-9}	Nanometers	-9	
10^{-10}		-10	Atomic force microscope (AFM)
10^{-11}		-11	
10^{-12}	Picometers	-12	
10^{-13}		-13	
10^{-14}		-14	Particle collider
10^{-15}	Femtometers	-15	