

## S.I. Units Unification B

António Saraiva – 2007-11-30 ajps2@hotmail.com

	L-1	L 0	L	L 2	L 3	L 4	L 5
V -1	Thermal Resistance		Time; Inverse Frequency				
V 0		1	Distance; Permittivity	Surface; Capacitance; Boltzmann K	Volume; Inverse Gravitational K		
V		Speed; Magnetic Field	Magnetic Potential; Conductance	Magnetic Charge; Magnetic Flux			
V 2	Acceleration; Magnetic Current Density	Electric Field; Inverse Inductance	Magnetic Current; Electric Voltage	Electric Flux	Electric Charge	Mass; Electric Dipole Moment	
V 3	Sound Resistance	Electric Current Density	Magnetic Field Strength	Magnetic Voltage; Electric Current		Momentum	Planck K; Angular Momentum
V 4			Pressure	Temperature	Force	Energy; Torque	
V 5	Luminance	Spectral Irradiance	Light Intensity; Irradiance		Power		

Everything is made only of distance ( L ) and speed ( V ).

## Also:

 $V^2$  = Absorbed dose

 $L^2$  = Inverse luminous efficacy

 $LV^2$  = Inverse permeability; Density; Sound impedance; Electric displacement field

 $L^2V^3$  = Dynamic viscosity

 $L^2V^4$  = Temperature = Energy surface density

Vacuum energy = 
$$\left(\frac{\varepsilon_0}{\mu_0}\right)^2$$

Magnetic charge = Outflow