Units and definitions for the Seeing Patterns lectures

Term	**Units/definition**
Visual angle	degrees (deg), minutes (arcmin), seconds (arcsec)
Luminance	L, candelas per square metre (cd/m^2)
Mean Luminance	L_{mean} (cd/m^2)
Sine-wave grating	$L(x)=L_{mean}+A\sin(2fx+p)$ (A=amplitude, f=spatial frequency, p=phase)
Michelson Contrast C	$(L_{max}-L_{min})/(L_{max}+L_{min})$ or A/L_{mean}
Cycle width, or period	Degrees of visual angle (deg)
Spatial Frequency (1/cycle width)	Cycles per degree (c/deg or cpd)
Contrast threshold	Minimum detectable contrast C
Contrast sensitivity	1/Contrast threshold i.e. 1/C
Acuity or resolution limit	Highest spatial frequency at which a grating can be detected when at full contrast (c/deg)
Reflectance	% of light reflected
Brightness	Perceived luminance
Lightness	Perceived reflectance