

**dispersion (for spectroscopic instruments)**

Dispersion of a material =  $dn/d\lambda$ , where  $n$  = refractive index and  $\lambda$  = wavelength; angular dispersion =  $d\Phi/d\lambda$ , where  $\Phi$  = angle; and linear dispersion =  $dx/d\lambda$ , where  $x$  = separation of spectral lines.

The reciprocal of the last-named quantity is more frequently used ( $d\lambda/dx$ ), and is commonly expressed in  $\text{\AA}/\text{mm}$ .

O.B. 101