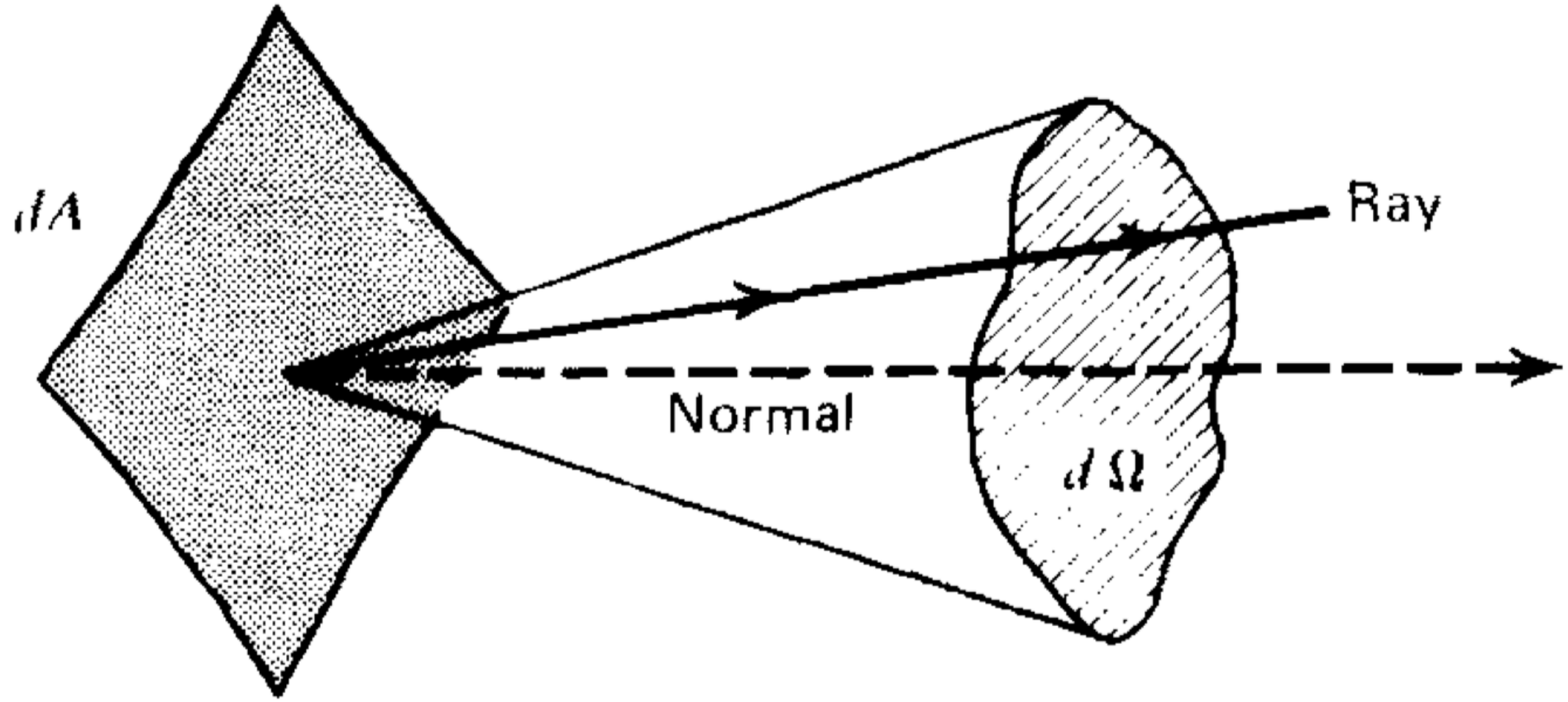


Figure 1.2 Geometry for normally incident rays.

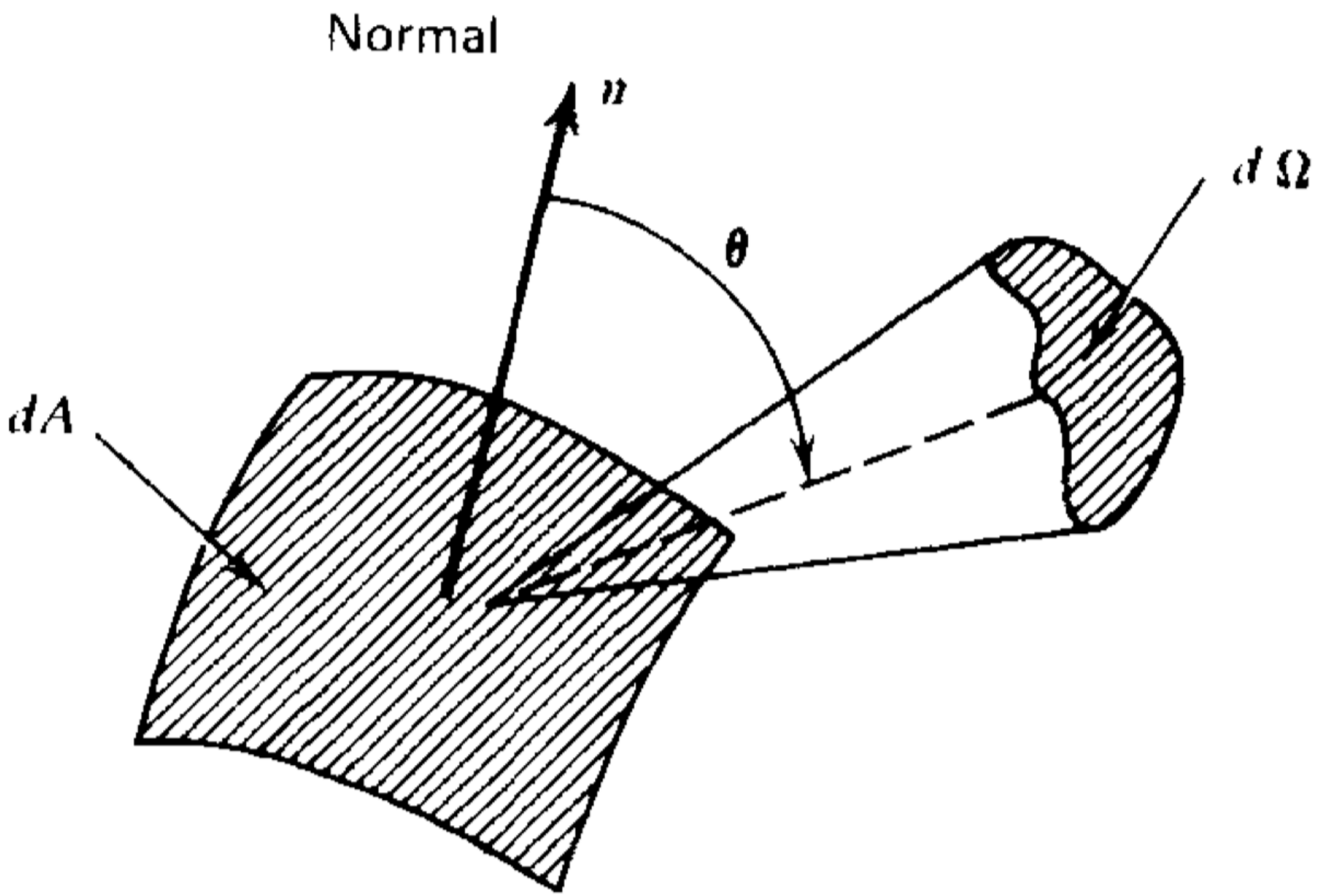


Figure 1.3 Geometry for obliquely incident rays.

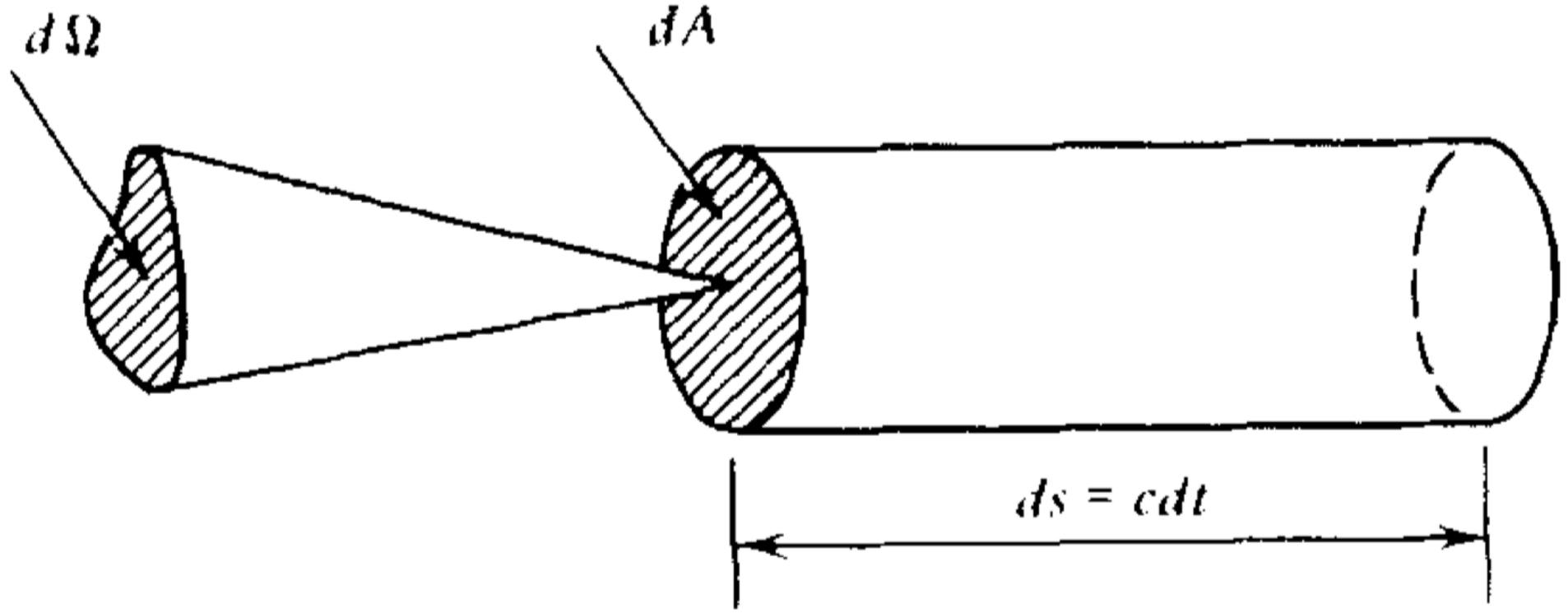


Figure 1.4 Electromagnetic energy in a cylinder.

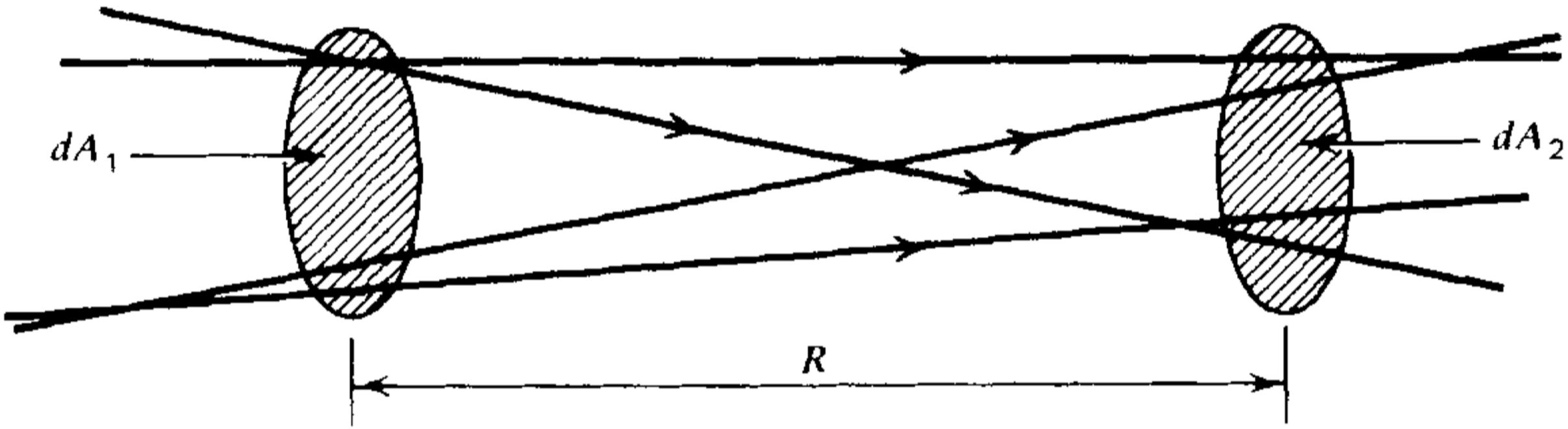


Figure 1.5 Constancy of intensity along rays.

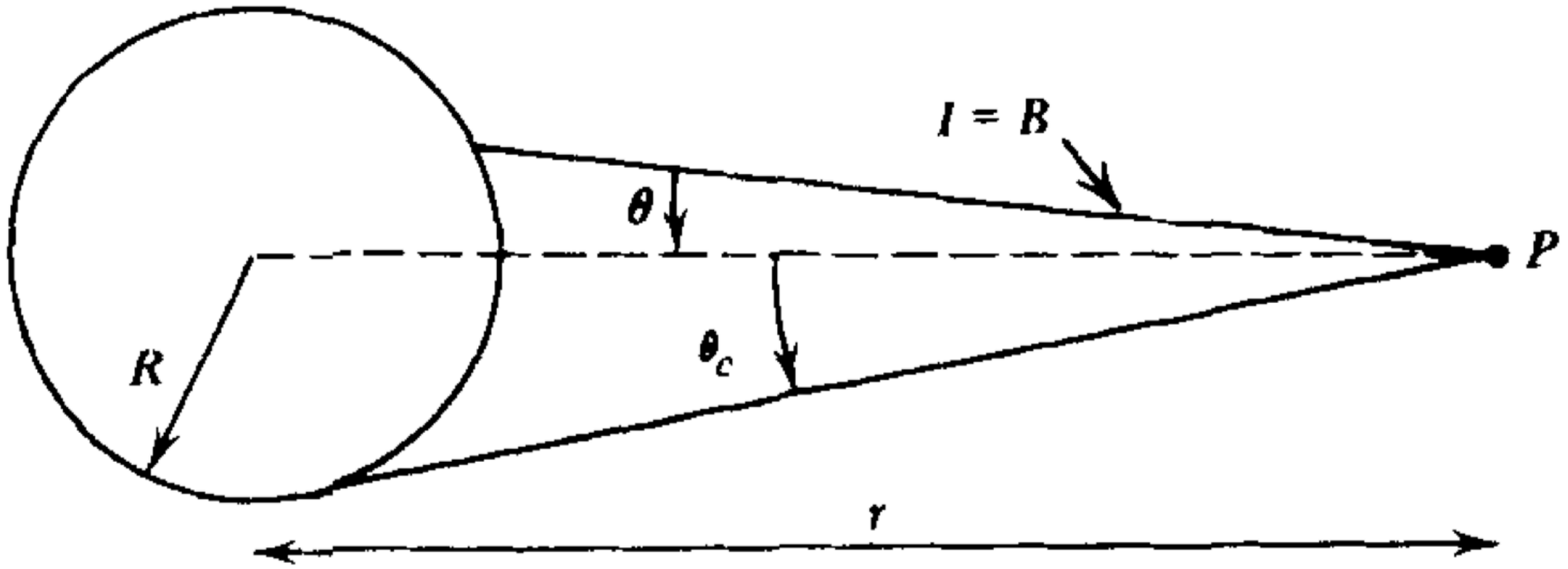
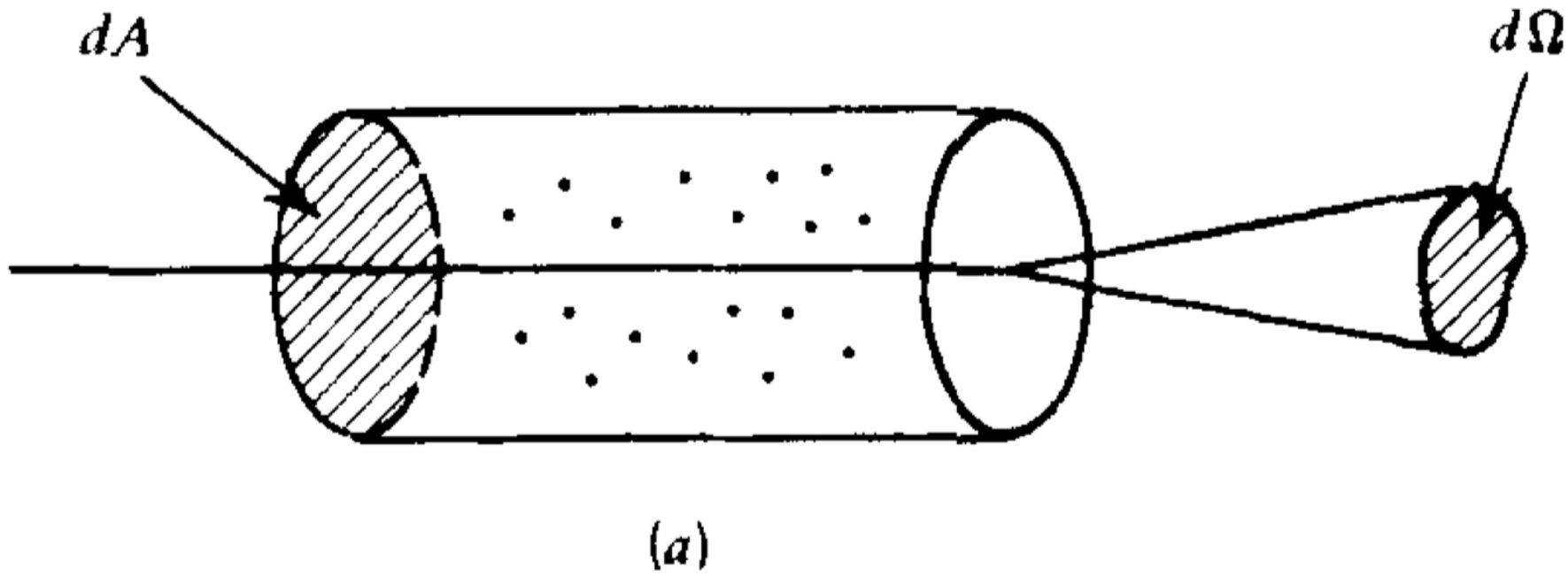
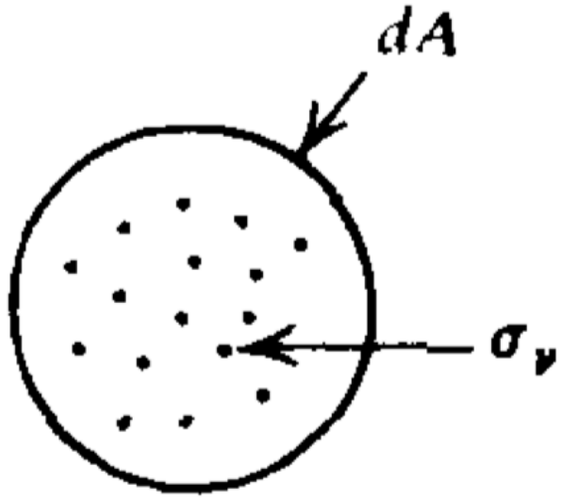


Figure 1.6 Flux from a uniformly bright sphere.



(a)

Figure 1.7a Ray passing through a medium of absorbers.



(b)

Figure 1.7b Cross sectional view of 7a.

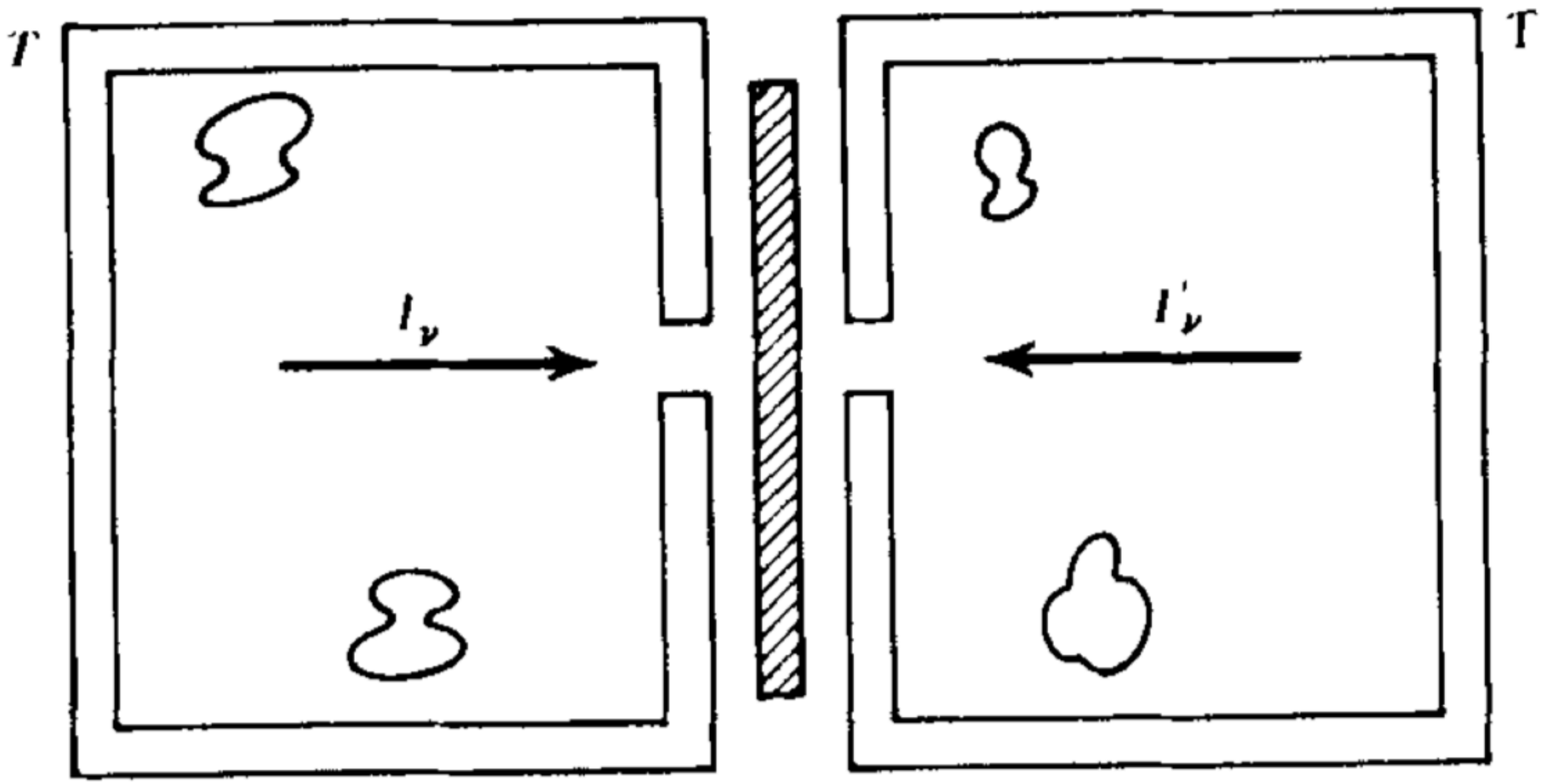


Figure 1.8 Two containers at temperature T, separated by a filter.

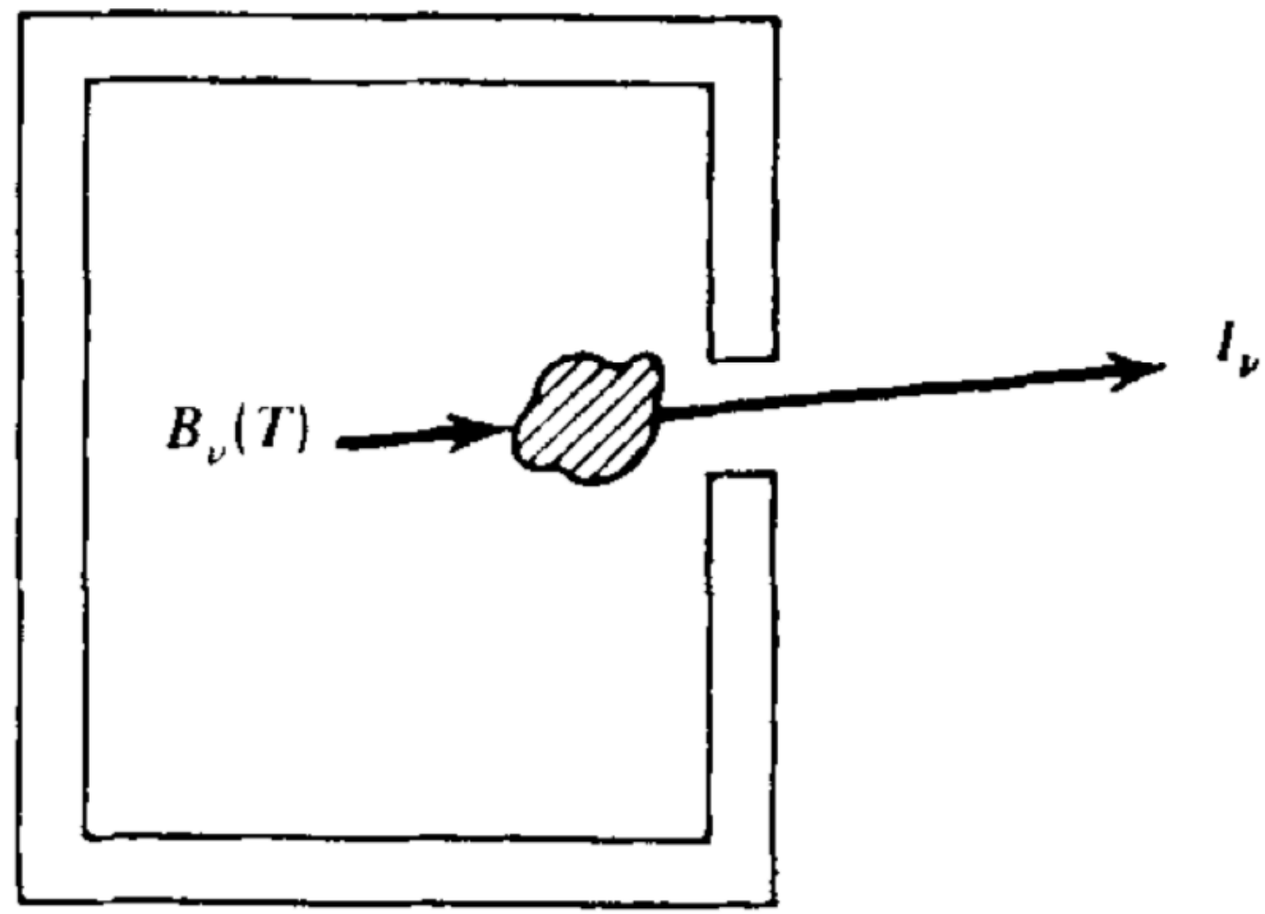


Figure 1.9 Thermal emitter placed in the opening of a blackbody enclosure.

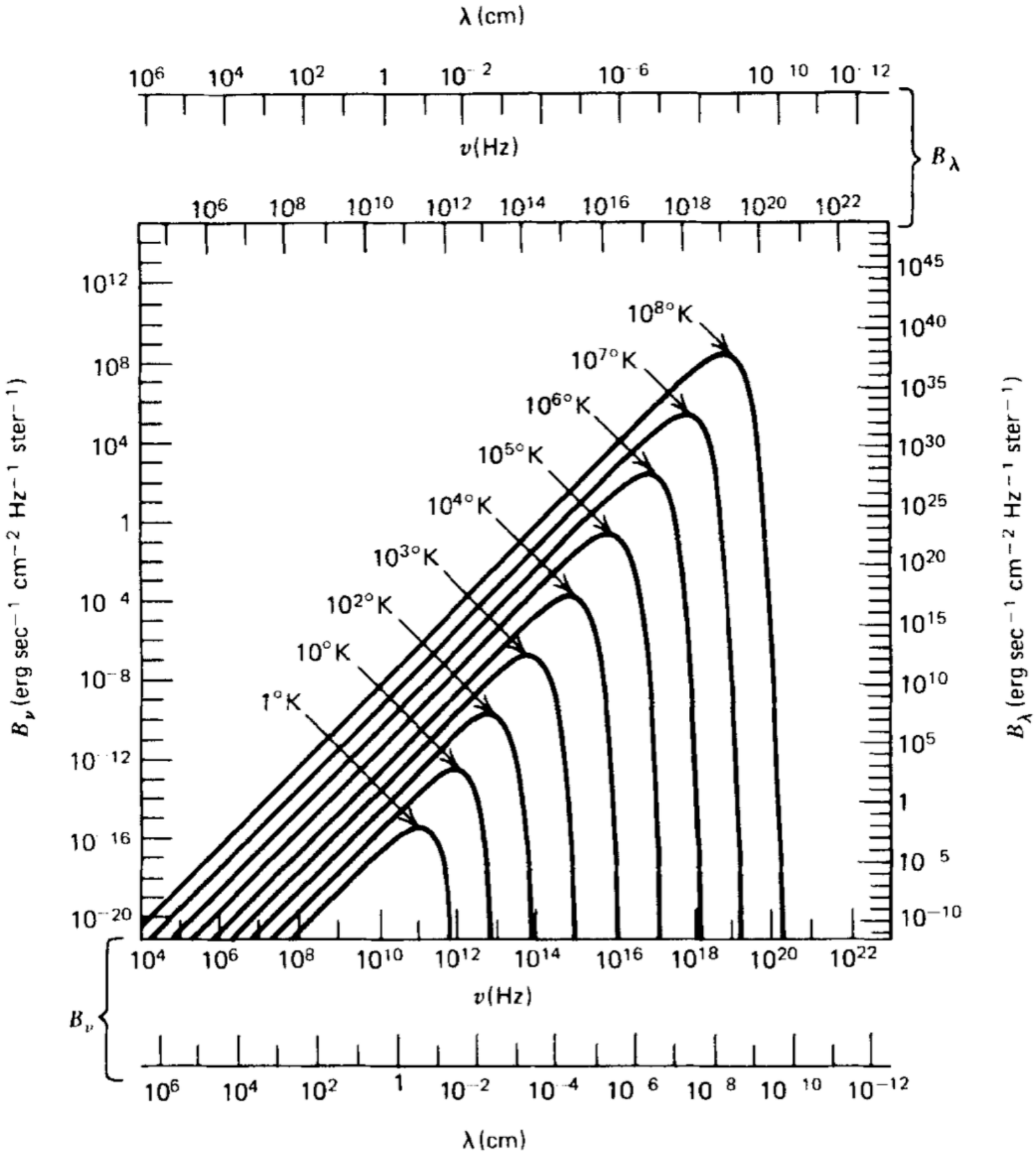


Figure 1.11 Spectrum of blackbody radiation at various temperatures (taken from Kraus, J. D. 1966, Radio Astronomy, McGraw-Hill Book Company)

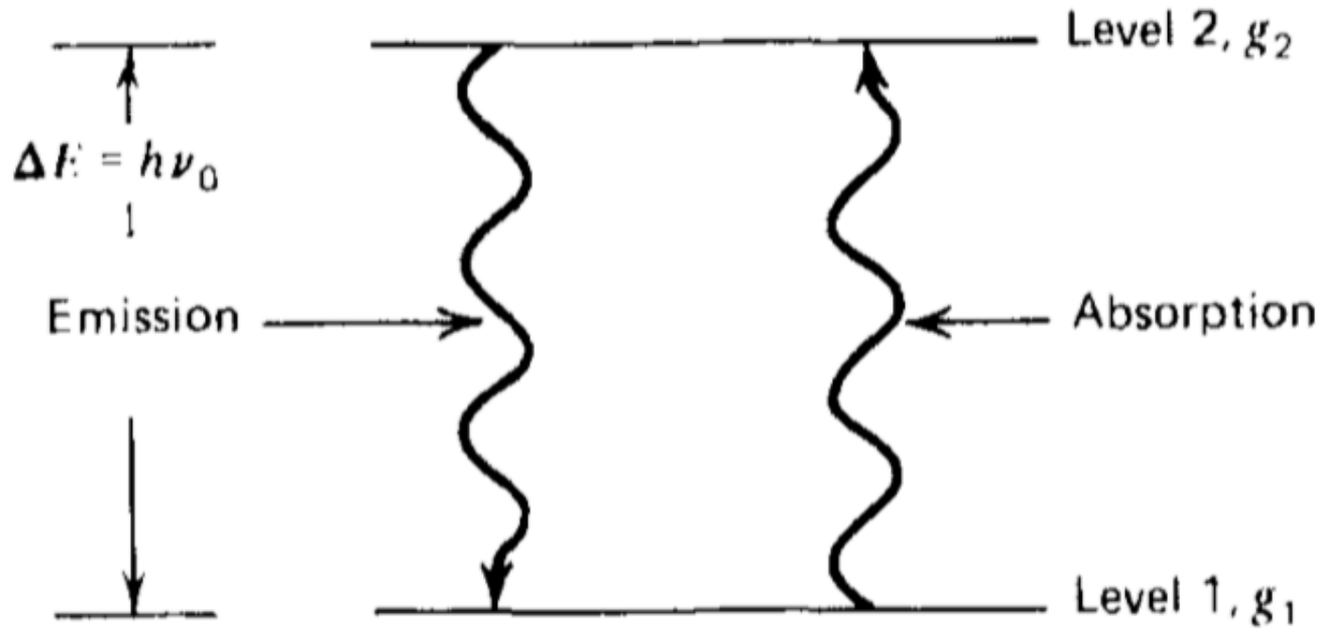


Figure 1.12a Emission and absorption from a two level atom.

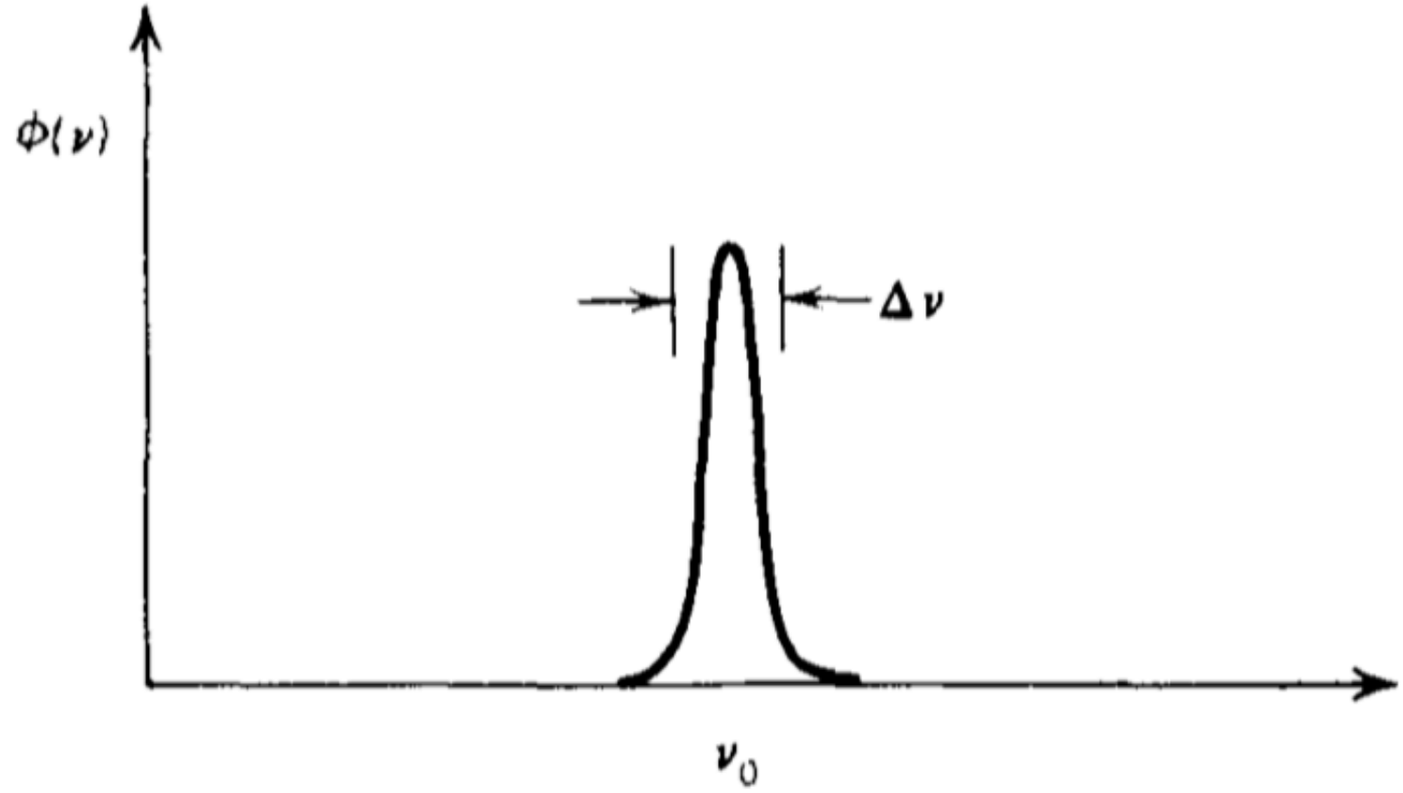


Figure 1.12b Line profile for 12a.