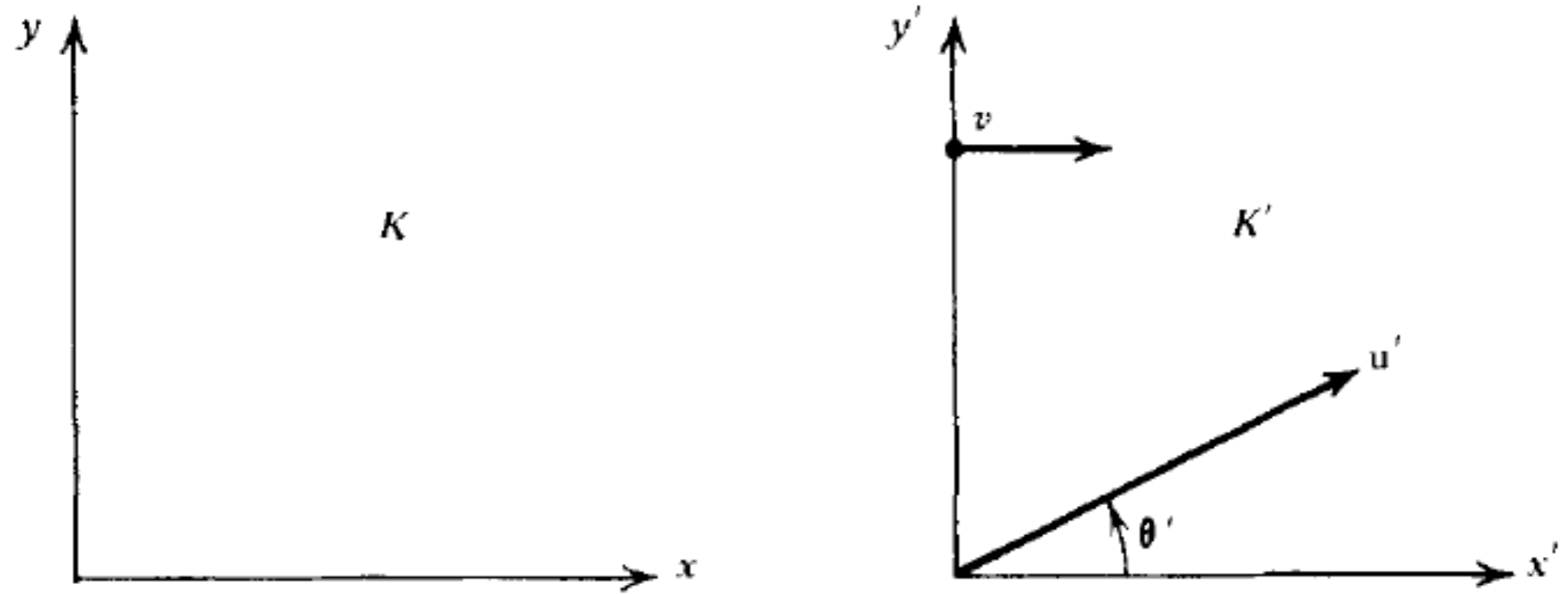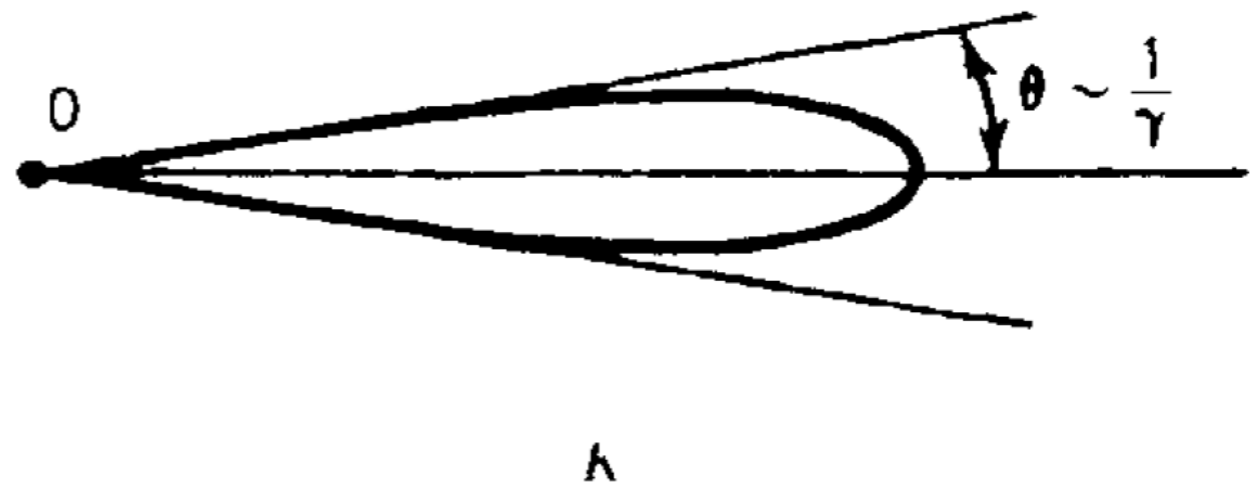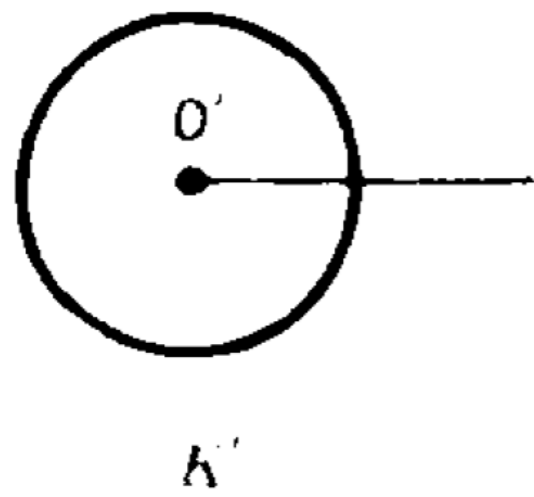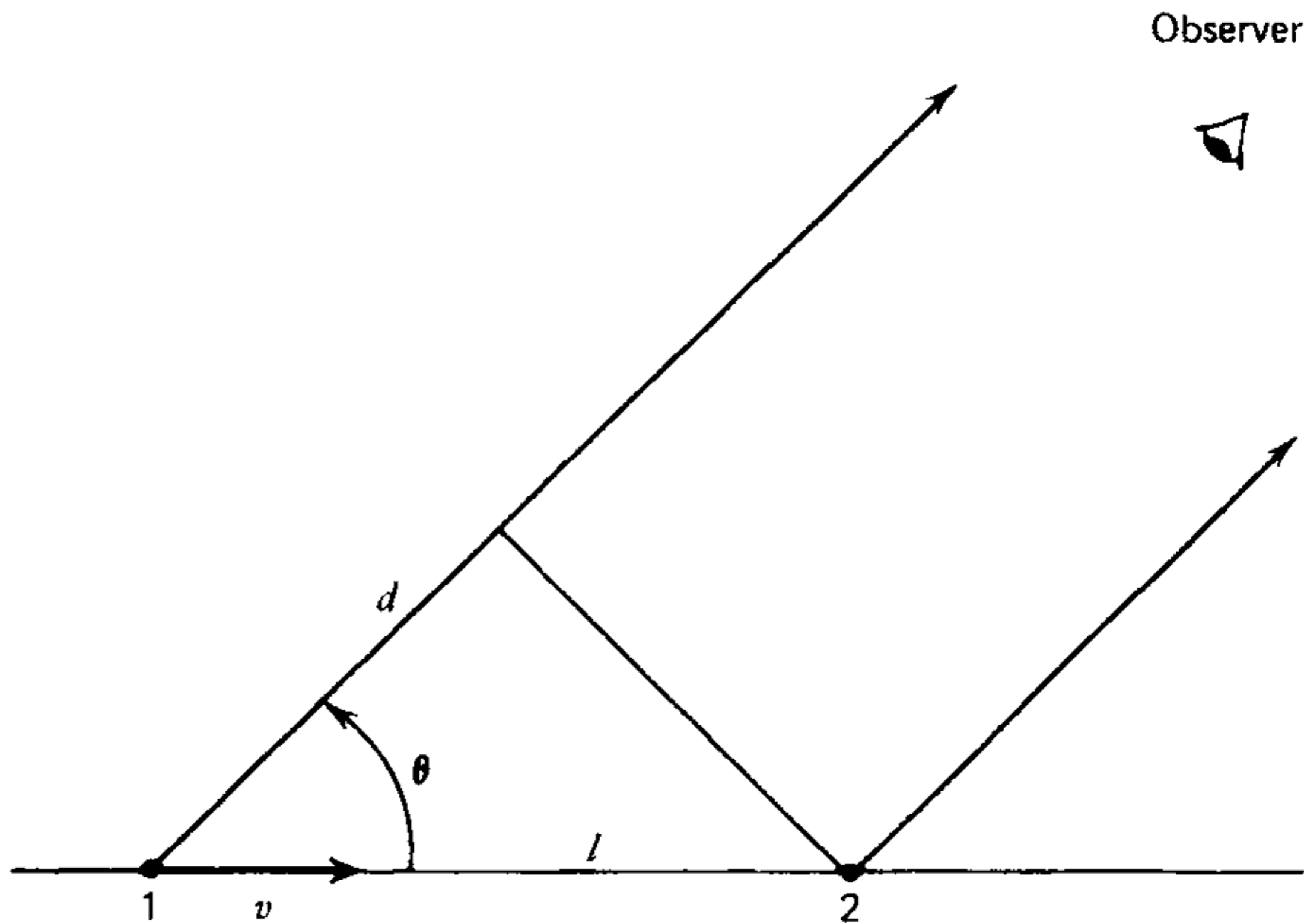*Figure 4.1* **Two|inertial frames with a relative velocity v along the x axis.**
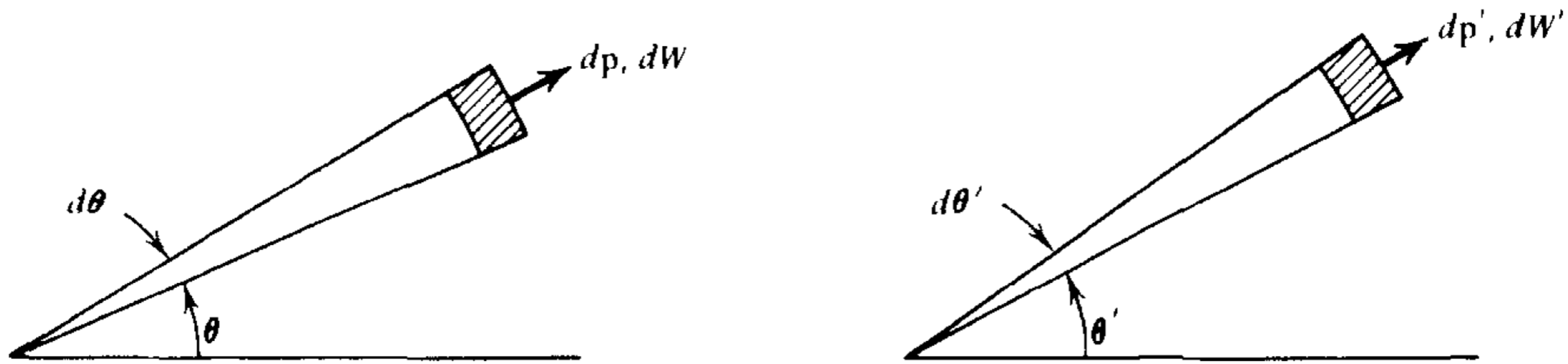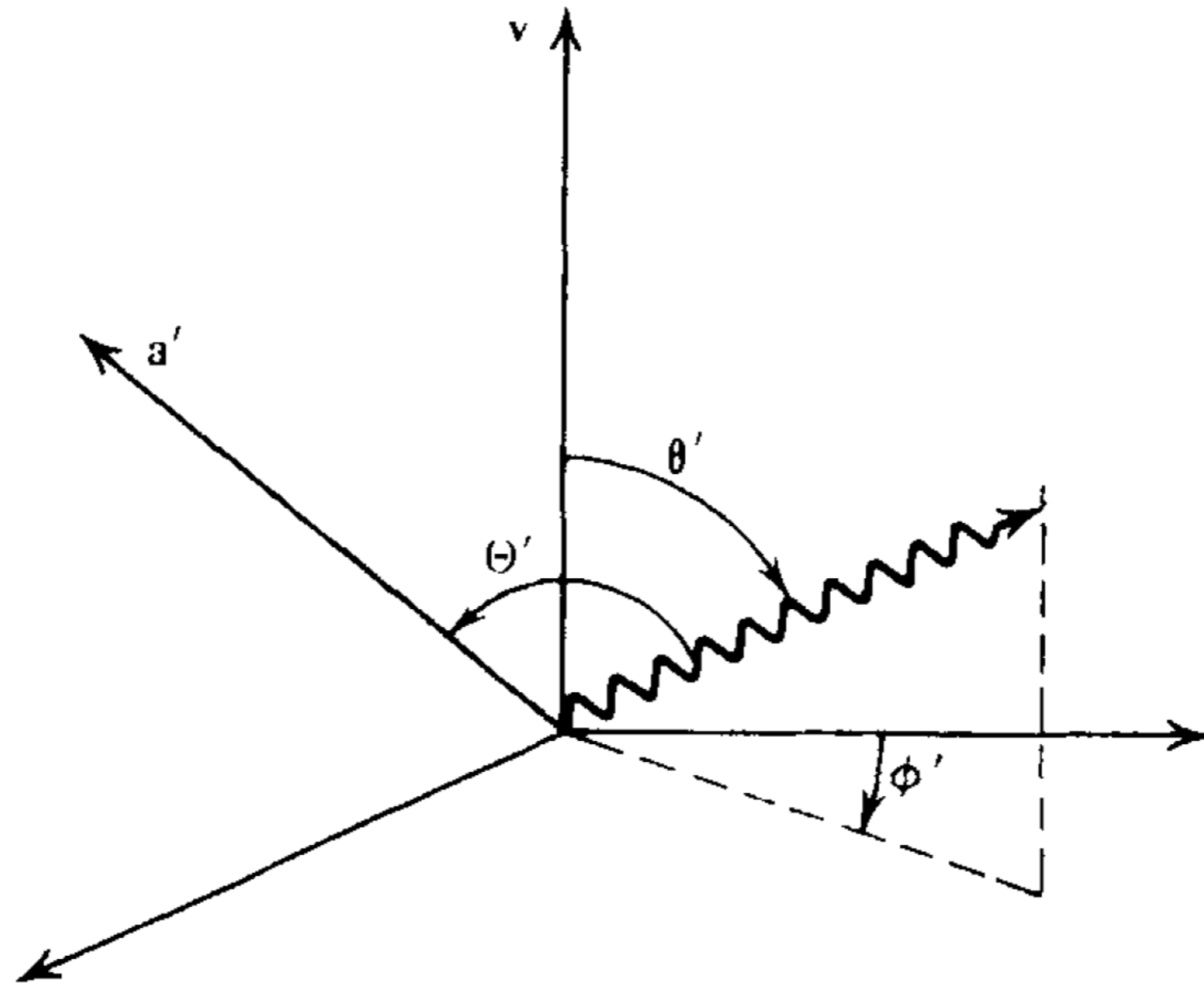
Figure 4.2   Lorentz transformation of velocities.

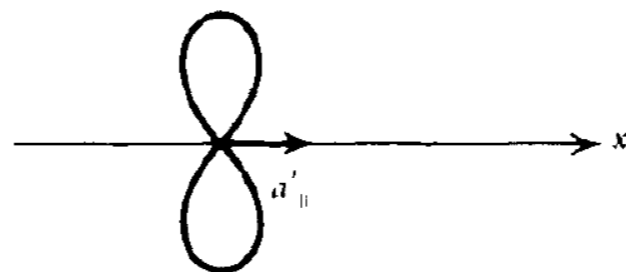**Figure 4.3** Relativistic beaming of radiation emitted isotropically in the rest frame K'.

Figure 4.4 *Geometry for the Doppler effect.*

Figure 4.9 *Lorentz transformation of the angular distribution of emitted power.*

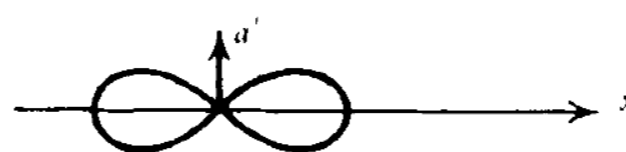*Figure 4.10   Geometry for dipole emission from a particle instantaneously at rest.*

(a)

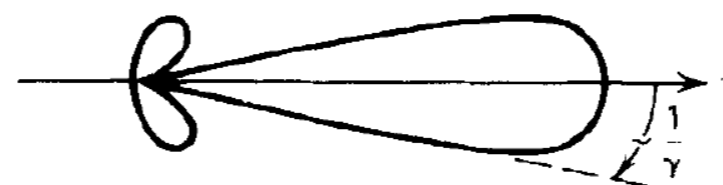**Figure 4.11a** **Dipole radiation pattern for particle at rest.**

(b)

Figure 4.11b **Angular distribution of radiation emitted by a particle with parallel acceleration and velocity.**

(c)

Figure 4.11c **Same as a.**

(d)

Figure 4.11d **Angular distribution of radiation emitted by a particle with perpendicular acceleration and velocity.**