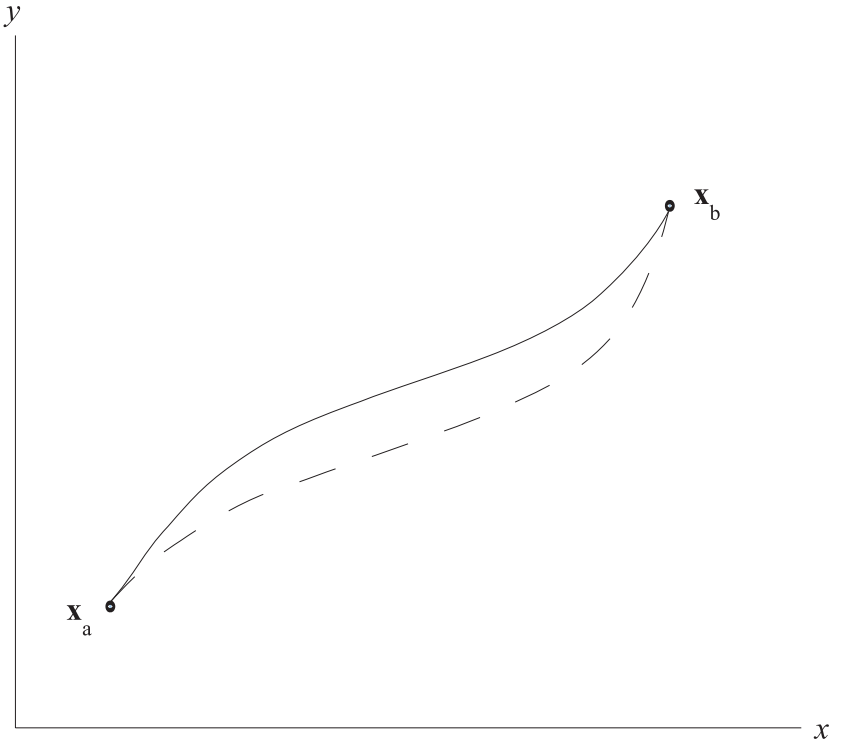

Figure 2.1 Variation of the particle trajectory for fixed endpoints

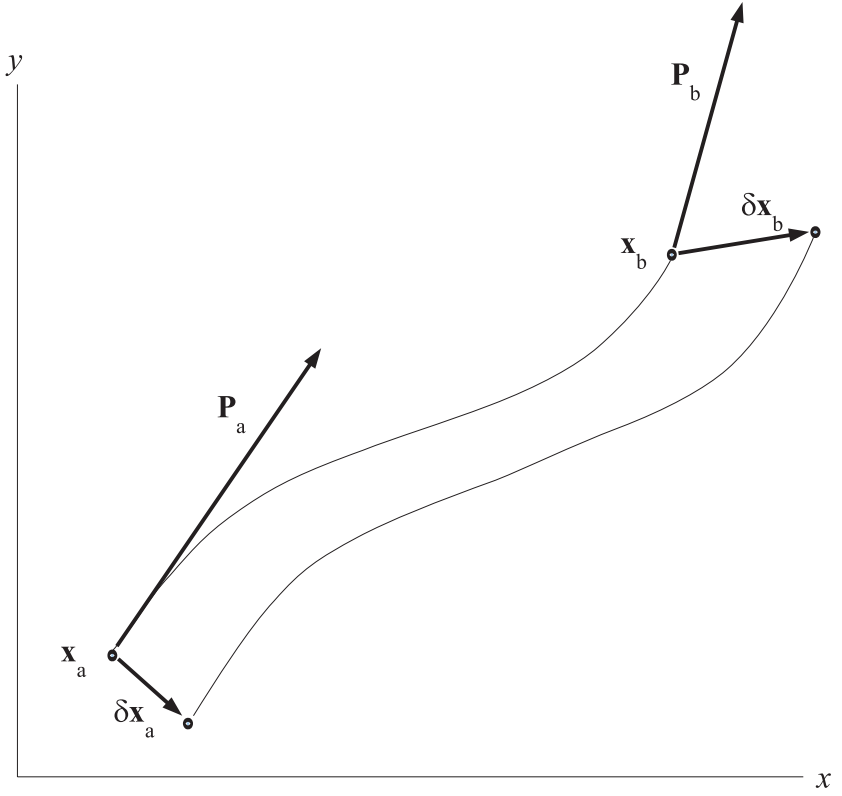

Figure 2.2 Two rays, infinitesimally displaced from one another.

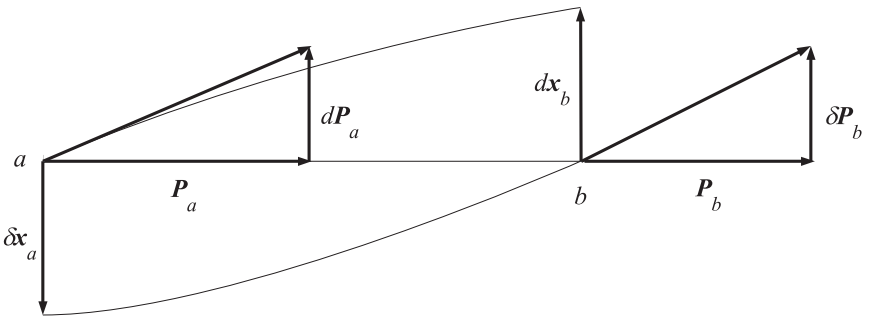

Figure 2.3 Perturbed rays for case $d\mathbf{x}_a = d\mathbf{x}_b = 0$.

002x003.eps

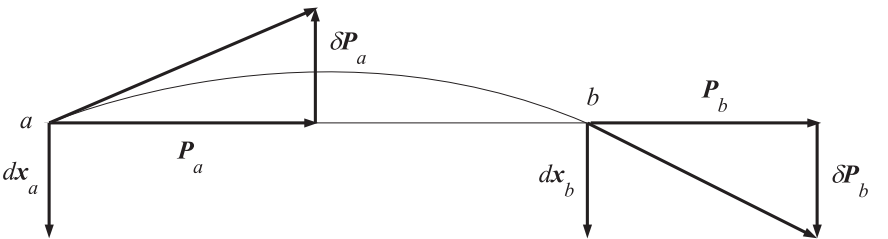

Figure 2.4 Perturbed rays for case $\delta\mathbf{x}_a = \delta\mathbf{x}_b = 0$.

002x004.eps

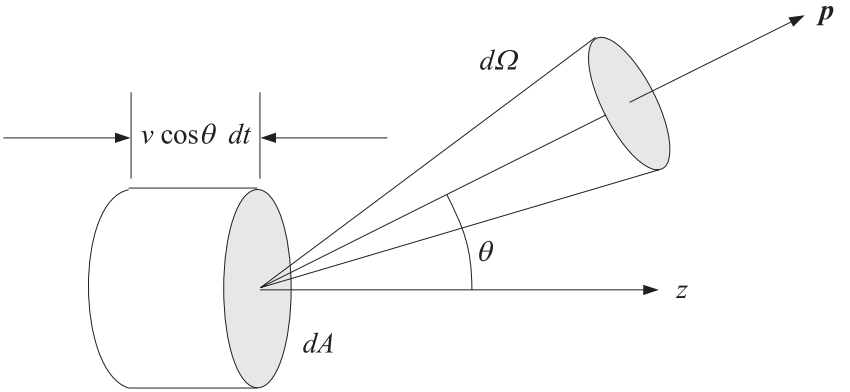

Figure 2.5 Geometry for brightness conservation.

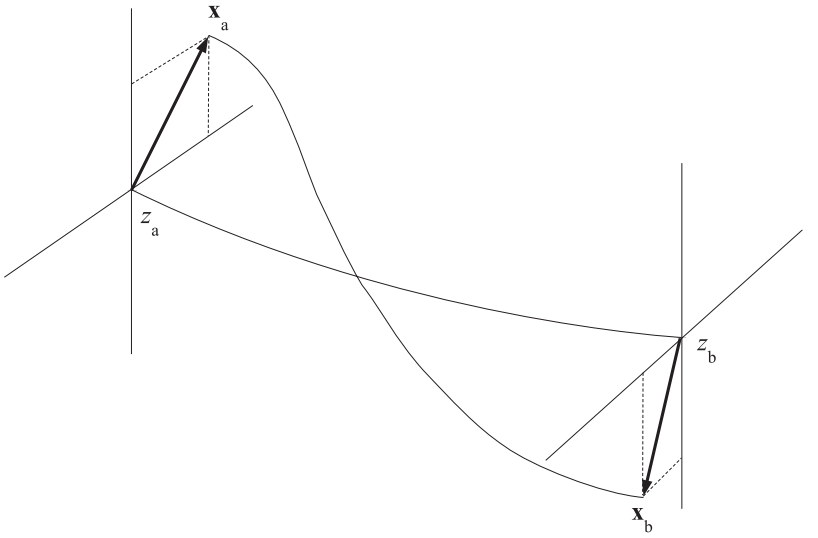

Figure 2.6 General curvilinear axis.

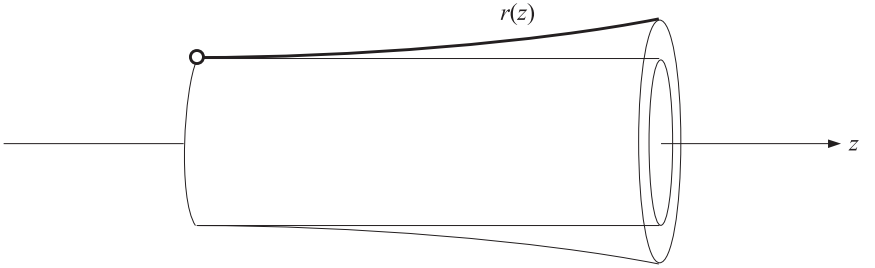

Figure 2.7 Space charge, quasi-parallel beam.

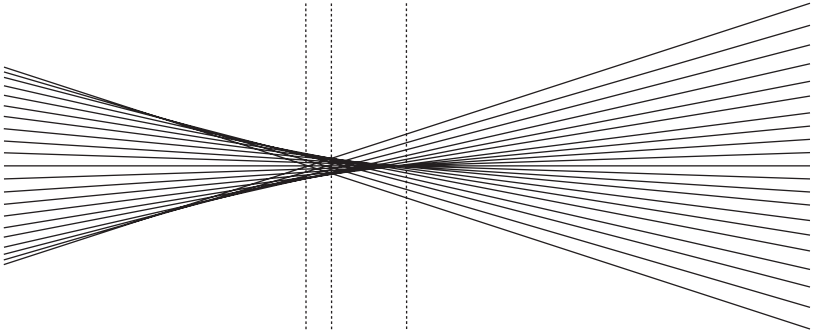

Figure 2.8 Spherical aberration.

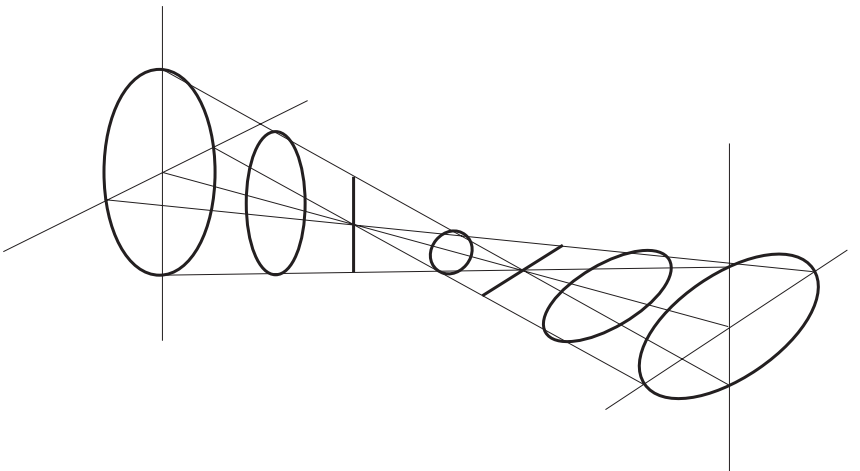

Figure 2.9 Astigmatism.

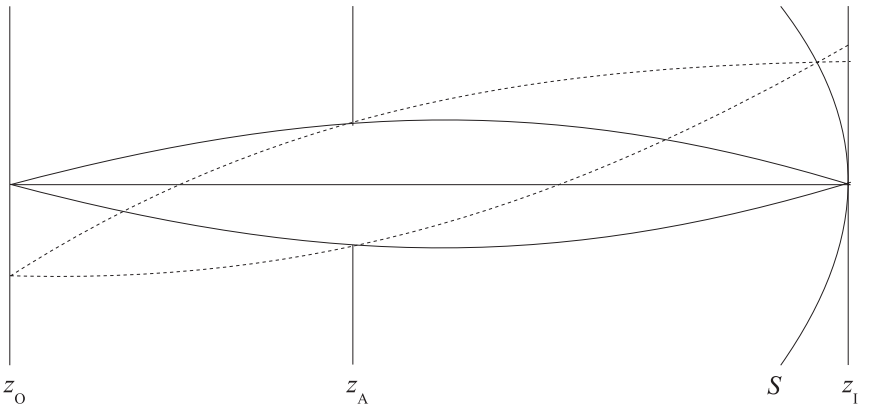

Figure 2.10 Curvature of field.

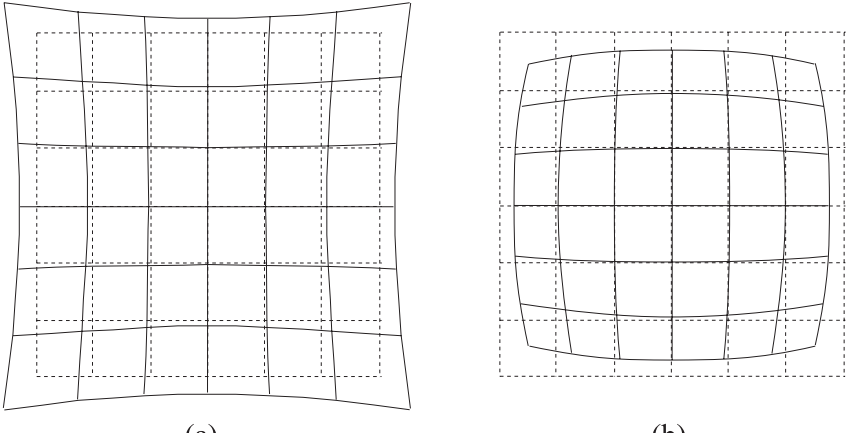

Figure 2.11 Isotropic distortion, (a) pincushion, (b) barrel.

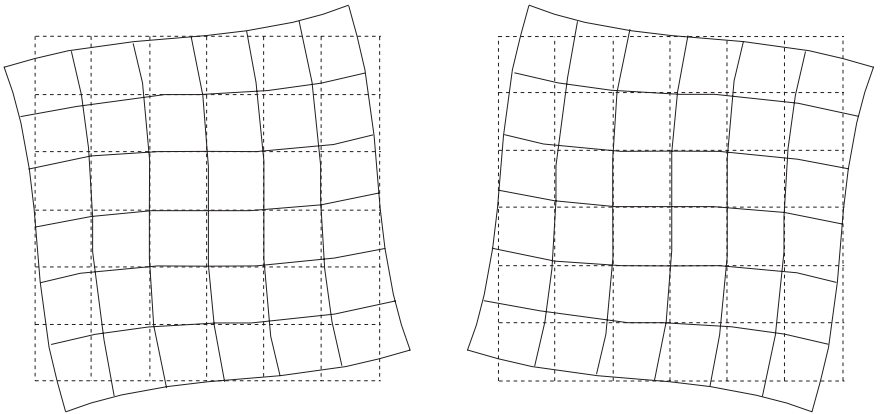

Figure 2.12 Anisotropic distortion, (a) positive, (b) negative.

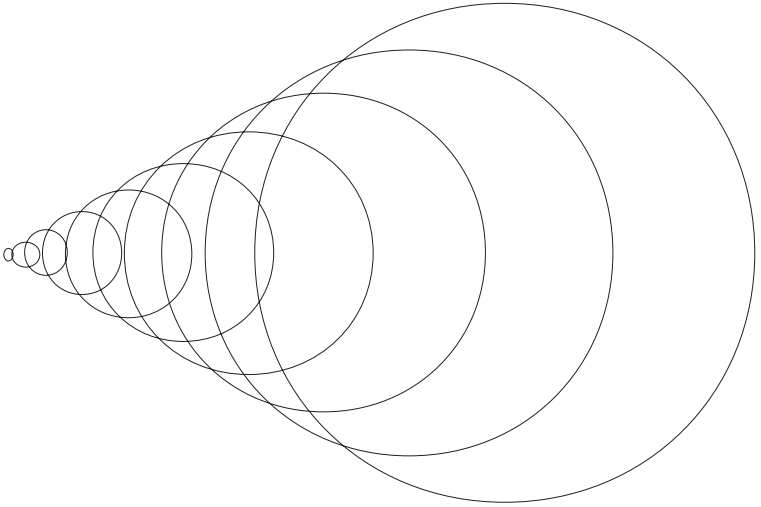

Figure 2.13 Coma.

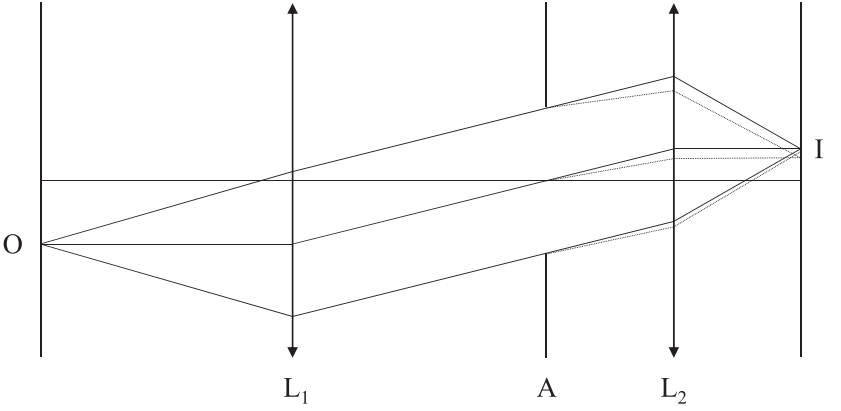

Figure 2.14 Equivalent confocal system.

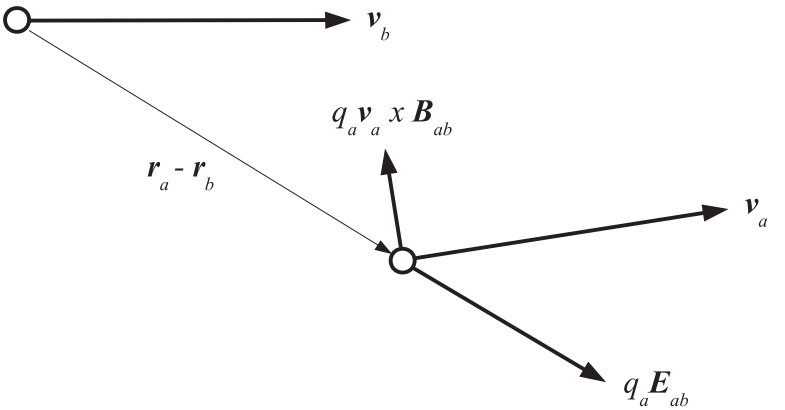

Figure 2.15 Lorentz force on a particle due to a second particle.

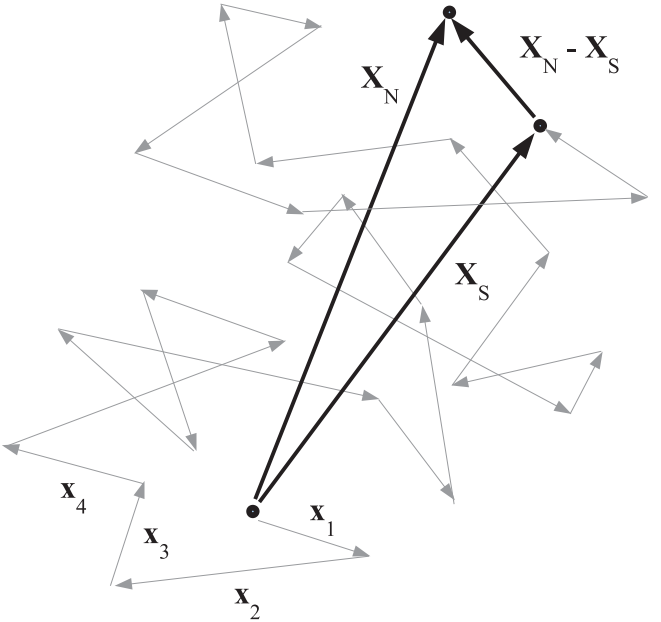

Figure 2.16 N-body interaction and superposition of two-body interactions.