

(2.13)

ral solution

(2.14)

ntegration. Sub-

(2.15)

where e is the

(2.16)

(2.17)

pecial case of ass at closest arves formed Fig. 2.4). With the hori-of symmetry an the slope rallel to the le the plane he cone and

the Sun is r's first law hare law of other focus

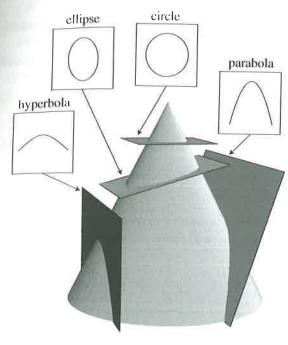


Fig. 2.4. The intersections of planes at different angles with the surface of a cone form the family of curves known as the conic sections.

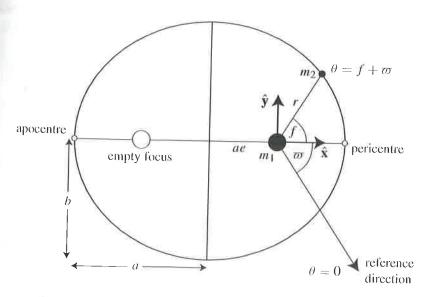


Fig. 2.5. The geometry of the ellipse of semi-major axis a, semi-minor axis b, eccentricity e, and longitude of pericentre ϖ .