FIGURE 2.1
Comparison of the streamline through the point (1, 1) at $t = 0$ with the pathline of a particle that passed through the point (1, 1) at $t = 0$ and the streakline through the point (1, 1) at $t = 0$ for the flow field $u = x(1 + 2t)$, $v = y$, $w = 0$.

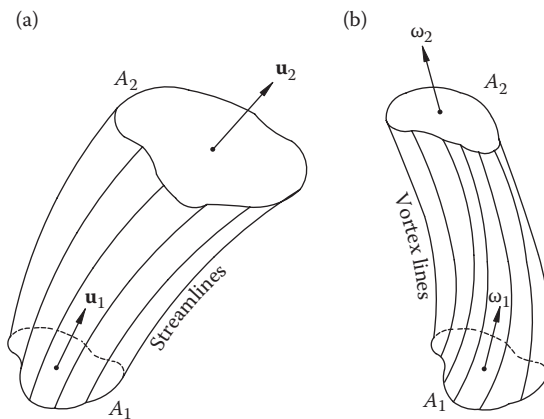002x001.eps

FIGURE 2.2
(a) Stream tube and (b) vortex tube subtended by a contour of area A_1 in a flow field.

002x002.eps