**\*8.3** Given a course with an azimuth of 78∘16′08′′ with an estimated error of ±5′′ and a distance of 485.32 ft with an estimated error of ±0.018 ft, what are:

**(a)** the latitude and departure?

**(b)** the estimated errors in the latitude and departure?

**8.5** Same as Problem 8.3, except the azimuth is 40∘03′57′′ ± 3.3′′ and the distance is 1254.98 ± 0.013 ft.