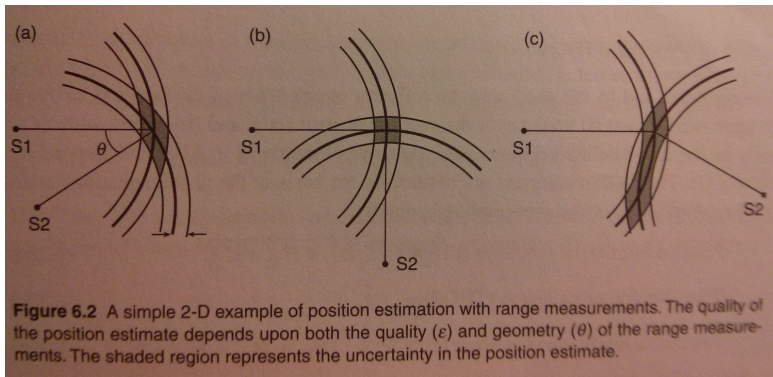# ERTH 491-01 / GEOP 572-02
Geodetic Methods

– Lecture 06: GPS Position Estimation –

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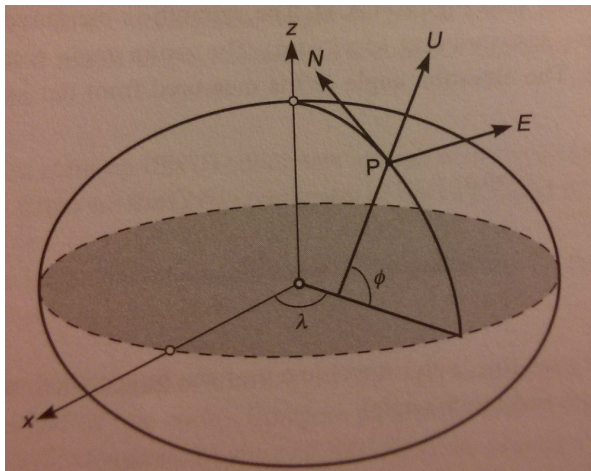x5924

September 02, 2015

Range Measurement

- Position estimate depends on quality (ϵ) and geometry (θ) of range measurement

Figure 6.2 A simple 2-D example of position estimation with range measurements. The quality of the position estimate depends upon both the quality (ε) and geometry (θ) of the range measurements. The shaded region represents the uncertainty in the position estimate.

Misra and Enge, 2011, GPS–Signals, Measurements, and Performance

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