



## **Better Accuracy?**

■ CS2 – CS1 < <u>E1 – E2</u> (1)

– CS1: Cost of surveying for Accuracy  $\alpha$ 1

- CS2: Cost of surveying for Accuracy  $\alpha$ 2
- E1: Cost to address the Delta for  $\alpha 1$
- E2: Cost to address the Delta for  $\alpha 2$

CS2 + E2 < CS1 + E1 (2) α2 is better</li>
(CS + E) is minimized (3) Optimum Accuracy!

## Conclusion

- The optimum accuracy for the same surveying project will vary from place to place due to the fluctuation of the various costs (equipment, labour, construction methods, etc.)
- This principle should be included in every surveying text book.