

Extra Problem 2-A

A calculated parameter P is related to two measured variables x, y and z by the following equation:

$$P = \frac{y - z}{x + z}$$

The variable y is measured to be 10.00 ± 0.82 , the variable z is measured to be 2.00 ± 0.17 and the variable x is measured to be 12.00 ± 0.55 .

- a) What is the value and error of the parameter P?
- b) What is the relative error of the parameter P?