Page I + Tenvier franchis - Daplace transform . *Bener are Significant when not as placeholders. -PFundamental treasur of algebra - Riemann hypomesis & More precise reconvenental - Mone + Creeni function * les priese resonant loss sights Mcquarrie + Chapter III: Experimental Error Asignificant figures -> tommun Her digit, recorded to write a number of Scientific notation.

-> writing it without lesing processor. Types of Eners: DSystematic Enor - DFlawin experiment equipment or design.

- D Reproducible
- D Corrected # Misealibrated Senson. Dalways are a red the actual value DRandom Ever -> Comes from tunigs you can't control -P Example of tungs be can't Control! Tomp & Price,

-P & Electrical France & When Measuring Vortage; Lee last

mumber leage on changing. Acouvary & Precision

Les How vermalucable is the result; related deviation of the standard deviation.

Les How close is result close to dive value.

shave units. Expressing Uncertainty € Absolute Uncertainty: 97.54 cm ± 0.02 cm →3h, 97-52-97.56 (2) Relative Uncertainty: absorbe uncertainty

[150 units] | Value of theasevene of 97.54 cy =0.000Z 3 / relative = Relative Uncertainty × 100 = 0.0002 x 100 = 0.07°) Papagetian of Uncertainty 0.154g ± 0.002 g - 0.105g ± 0.002 g 501. = 0.1549-0.1059 0.253L = 0.19379 + 7 $\left(\frac{e}{c}\right)^2 - \left(\frac{e}{a}\right)^2 + \left(\frac{e}{b}\right)^2$ volue C+ le richi unce lander $\left(\frac{c_{c}}{0.1937}\right)^{2} = \left(\frac{0.007F}{0.849}\right)^{2} + \left(\frac{0.005}{0.253}\right)^{2}$ 0.253L + 0.005L C = C [0.0628 |2 + (0.005)2

(100 : 0.19 ± 0.01 9/L