

PAQUÍMETRO

$$\sigma_{ADP} = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n-1}}$$

$$\bar{D}_p = 18,58 \text{ mm}$$

$$\bar{H}_p = 19,28 \text{ mm}$$

$$\sigma_{ADP} = \sqrt{\frac{(18,60-18,58)^2 + (18,50-18,58)^2 + (18,65-18,58)^2 + (18,55-18,58)^2 + (18,60-18,58)^2}{5-1}}$$

$$\sigma_{ADP} = \sqrt{\frac{0,0004 + 0,0064 + 0,0049 + 0,009 + 0,0004}{4}}$$

$$\sigma_{ADP} = \sqrt{0,00325}$$

$$\sigma_{ADP} = 0,057 \approx \boxed{0,06 \text{ mm}}$$

nos resultaron
valores en crecimientos
otro valor ???

$$\sigma_{AHP} = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n-1}}$$

$$\sigma_{AHP} = \sqrt{\frac{(19,25-19,28)^2 + (19,30-19,28)^2 + (19,25-19,28)^2 + (19,31-19,28)^2 + (19,29-19,28)^2}{5-1}}$$

$$\sigma_{AHP} = \sqrt{\frac{0,0009 + 0,0004 + 0,0009 + 0,0009 + 0,0004}{4}}$$

$$\sigma_{AHP} = \sqrt{0,0032} / 4$$

$$\sigma_{AHP} = \sqrt{0,0008}$$

$$\sigma_{AHP} = 0,028 \approx \boxed{0,03 \text{ mm}}$$

$$\sigma_D = \sqrt{0,06^2 + 0,05^2} = \sqrt{0,0036 + 0,0025} = \boxed{0,078 \text{ mm}}$$

$$\sigma_H = \sqrt{0,03^2 + 0,05^2} = \sqrt{0,0009 + 0,0025} = \boxed{0,058 \text{ mm}}$$