



$X_a$  - valoare adevărată

$X$  - valoare convențional adevărată

$X_a \cong X$

$x$  - valoare măsurată

$$\Delta = x - X \cong x - X_a \quad *$$

$L_i$  - limita inferioară

$L_s$  - limita superioară

$$X_1 = 10\text{m}, \Delta_1 = 1\text{m}$$

$$X_2 = 100\text{m}, \Delta_2 = 1\text{m}$$

$$\delta = \frac{\Delta}{X} \cong \frac{\Delta}{x}, \quad x \cong X$$

$$\delta_{\%} = \delta \cdot 100 = \delta \cdot 10^2 [\%]$$

$$\delta_{\text{ppm}} = \delta \cdot 1000000 = \delta \cdot 10^6 [\%]$$

Poartă pietonală  $X_a \cong X = 80\text{cm}$ ,  $x_1 = 81\text{cm}$ ,  $\Delta_1 = 1\text{cm}$

Poartă fotbal  $X_a \cong X = 7\text{m}$ ,  $x_2 = 6.95\text{m}$ ,  $\Delta_2 = -0.05\text{m} = -5\text{cm}$

$$\Delta_1 > 0, \Delta_2 < 0, \quad |\Delta_1| = 1\text{cm}, \quad |\Delta_2| = 5\text{cm}$$

$$|\Delta_1| < |\Delta_2|$$

$$\delta_1 = \frac{1\text{cm}}{80\text{cm}} = 0.0125$$

$$\delta_2 = \frac{-5\text{cm}}{700\text{cm}} = -0.007142857$$

$$|\delta_1| > |\delta_2|$$

$$|\delta_1\%| = 1.25\%$$

$$|\delta_2\%| = 0.71\%$$