Lagrometire

(1) Augustin Cauchy's, Cours d'Analyse

(2) ~~Balzac~~, Victor Poncelet
Traite des propriétés des figures
essintial concepts underlying ~~proj~~ geomertry

(3) Small town mayor

(4) Balzac

(5) normal distribution bell curve

$$\int_{-\infty}^{\infty} e^{-x/2}\,dx$$

$$c = \int_{-\infty}^{\infty} e^{-y/2}\,dy$$

$$c^2 = \left(\int_{-\infty}^{\infty}\int_{-\infty}^{\infty} e^{-(x^2+y^2)/2}\,dx\,dy\right.$$

move polar coridators $x^2+y^2=r^2$, $dx\,dy = r\,dr\,d\theta$

$$\int_0^{\infty}\int_0^{2\pi} r e^{-r^2/2}\,d\theta\,dr = \int_0^{\infty} r e^{-r^2/2}\,2\pi\,dr$$

$$2\pi \int_0^{\infty} r e^{-r^2/2}\, dr$$

$$-e^{-r^2/2}\Big|_0^{\infty} = -e^{-\infty} \quad -e^{0} = 1 \cdot 2\pi$$

$$2\pi$$