If I were beginning my studies, I would follow the advice of Plats, k start with methersties

Galiles Galler

Madhere (1350-1425) Kerde

$$f(x) = x - \frac{x^3}{3} + \frac{x^5}{5} - \frac{x^7}{7} \cdots$$

$$\frac{d+}{2} = 1 - \chi^2 + \chi^4 - \chi^6 + \dots$$

$$= \frac{1}{1+\chi^2}$$

$$f(x) = \int \frac{1}{1+x^2} dx = \tan^2 x$$

$$\tan^{-1} x = x - \frac{x^{7}}{7} + \frac{x^{5}}{5} - \frac{x^{3}}{7} \dots$$

$$5 = 1 + \frac{1}{2^2} + \frac{1}{3^2} + \frac{1}{4^2} + \cdots$$

GERULAMO CARDANO (1501-1576)

Italian

$$\chi = \sqrt[3]{-\frac{9}{2} + \sqrt{\frac{9^{2}}{4} + \frac{p}{27}}} + \sqrt[3]{-\frac{9}{2} - \sqrt{\frac{9^{2}}{4} + \frac{p}{27}}}$$

$$\chi = \sqrt{2 + \sqrt{-121}} + \sqrt{32 - \sqrt{-121}}$$

NIELS ABEL (1802-1829)

EVARISTE GALOIS (1911-1832)

GROUP THEORY

Jaws BERNOUILLI

$$dr \left(1 + \frac{1}{n}\right)$$

Blow 2 [16%. —) 200
$$50\%6mm \rightarrow 227$$

$$25\%4mm \rightarrow 244$$

$$e = dr (1+\frac{1}{N})$$

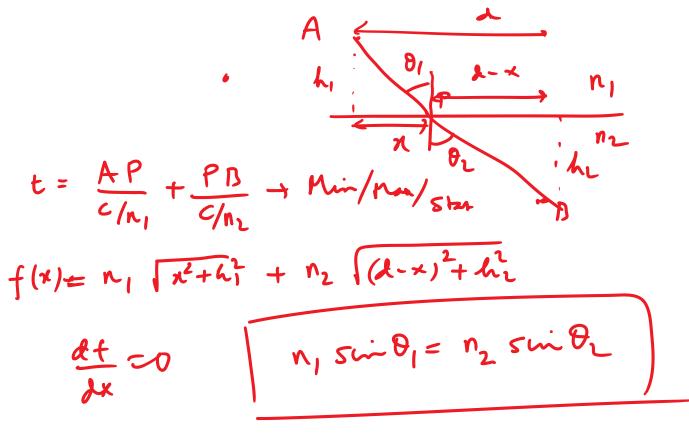
P. FERMAT

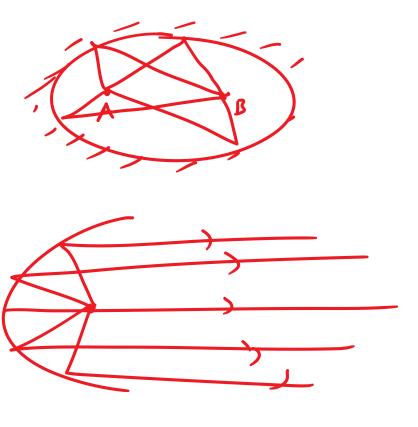
$$x + y = 2$$

n 72

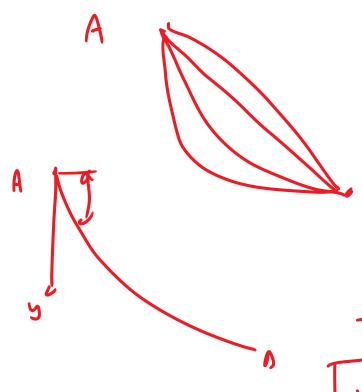
Farmatis principle of least time

$$\begin{cases} A & A \\ A & A \\ A & A \end{cases} = 0$$





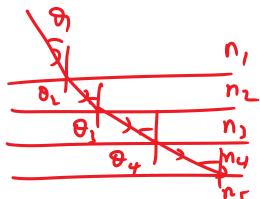
BRACHISOCHRONE



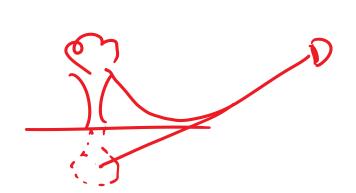
$$\frac{1}{2}mv^2 = mfy$$

$$V(5) = \sqrt{259}$$

 $N_1 \leq m_2 \leq m_2$



n(y) sin D(y) = Gonrar



$$\frac{c}{\sqrt{(5)}} \leq \sin^{2}(5) = 6\pi r$$

$$\sqrt{5} \sin^{2}(5) = 6\pi r$$

$$\sqrt{5} = \sqrt{5}$$