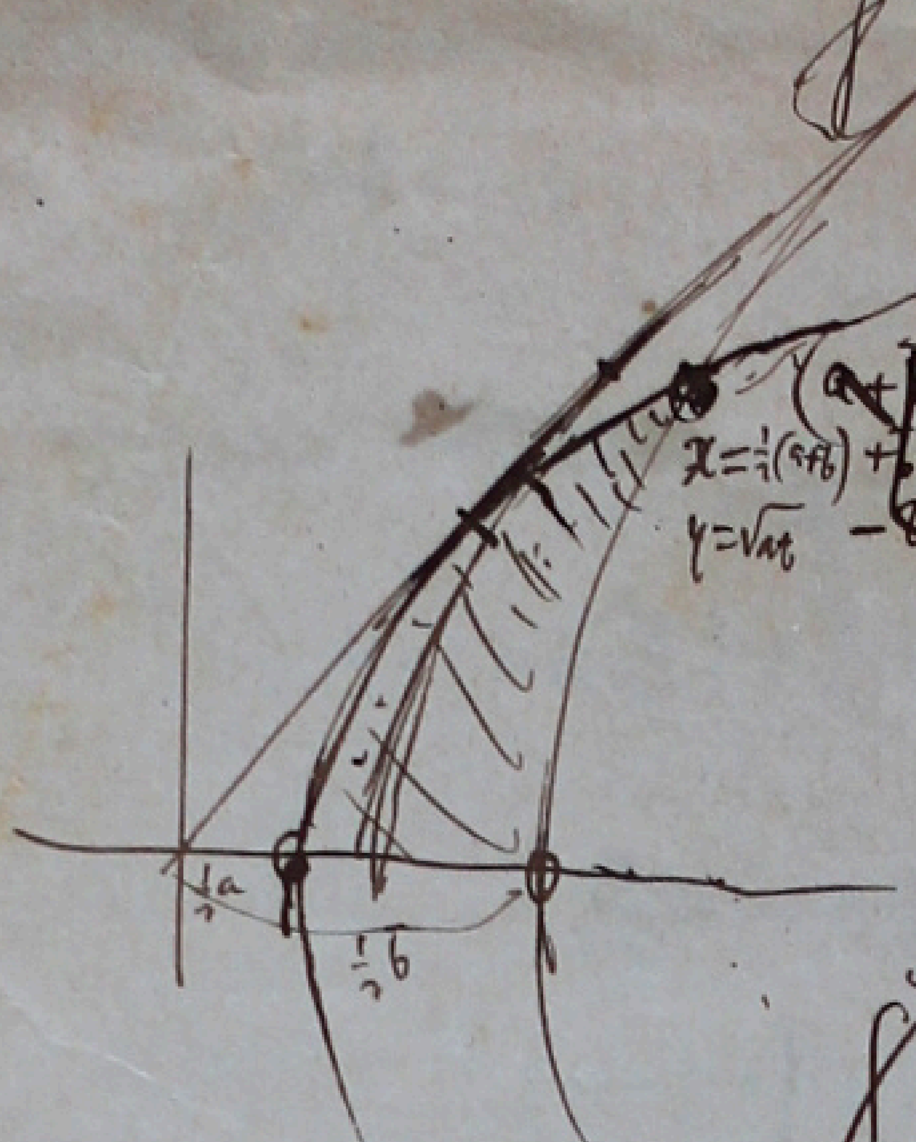
$$a\log\frac{\mathfrak{b}}{a} + (\mathfrak{b}-a)\log a\mathfrak{b} - 2(\mathfrak{b}\log\mathfrak{b}-\mathfrak{b}) + \cancel{(c-\mathfrak{b})\log\frac{c}{\mathfrak{b}}}$$

$$+(\mathfrak{b}-c)\,{}'' \qquad + 2(a\log a - a)$$



$$(\cancel{a}+\cancel{\mathfrak{b}}-c)\log\mathfrak{b} + (c-\cancel{\mathfrak{b}}-\cancel{a})\log a + 2\mathfrak{b} - 2a$$

$$c\log\frac{a}{\mathfrak{b}} + 2(\mathfrak{b}-a)$$

$$\mathfrak{b} = \infty$$

$$u = x + \sqrt{x^2-y^2}$$
$$v = x - \sqrt{x^2-y^2}$$

$$J = \int_0^\infty dy \int_{\frac{y^2+a^2}{2a}}^\infty f\,dx = \int_a^\infty du \int_0^a f\,\frac{u-v}{4\sqrt{uv}}\,dv.$$

$$f = \frac{\varphi(u)\psi(v)}{\sqrt{x^2-y^2}}$$

$$= \frac{1}{2}\int_a^\infty \frac{\varphi(u)\,du}{\sqrt{u}} \int_0^a \frac{\psi(v)}{\sqrt{v}}\,dv$$

$$\int_0^a \frac{\psi(v)}{\sqrt{v}}\,dv = \Psi(a) - \Psi(0)$$

$$= \frac{1}{2}\left[\Phi(\infty)-\Phi(a)\right]\left[\Psi(a)-\Psi(0)\right] \quad \Psi(v)$$

$$\Psi(v) = \sqrt{v}$$

$$\varphi = \frac{1}{u}$$

$$\cancel{\varphi(u)} = u^{n} \qquad u^{n+\frac{1}{2}} \qquad n+\tfrac{1}{2}<0 \qquad n<$$

$$\cancel{\varphi(u)} = \frac{1}{u}$$

$$f = \frac{\sqrt{v}}{u\sqrt{x^2-y^2}}$$

~~Quand~~

O Q

Monsieur,

À propos des [illegible], que vous venez d'envoyer à M. [illegible], je vous signale un petit changement, qu'il serait utile de communiquer à l'artiste chargé de la gravure sur bois. Il s'agit de la figure du § 419, dans laquelle il y a un Q, à changer en O.

Le [illegible] [illegible] [illegible] [illegible] le [illegible] à [illegible]

Le même changement doit être fait dans le texte. Agréez, M.,

[illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de G. [illegible] "Bulletin [illegible] (Juin, ...).

[illegible] [illegible] valeur

$x = t\lambda - \frac{m}{2a}(p^2-q^2)$

$\frac{m^2}{a^2}(p^2+q^2) = -\frac{z}{\varrho} + 1 + \lambda^2 + t\frac{m^2}{a^3}(p^2-q^2)$ $\qquad p^2-q^2 = 4at$

$e^{2m\frac{s}{a}} + e^{-2m\frac{s}{a}} \geq 2$ $\qquad t = \frac{1}{4a}(p^2-q^2)$

$$\begin{cases} x = t\frac{m}{2a^2}(p^2+q^2) - \frac{m}{2a}(p^2-q^2) \\ \frac{z}{\varrho} = 1 + \frac{m^2}{4a^4}(p^2+q^2)^2 + t\frac{m^2}{a^3}(p^2-q^2) - \frac{m^2}{a^2}(p^2+q^2) \end{cases}$$

$\lambda \geq \frac{m}{a^2}\cdot k a^2 (-2-)$

$\lambda \geq mk^2$ $\qquad mk^2 < 1$, $x = \frac{m}{8a^3}(p^4-q^4) - \frac{m}{2a}(p^2-q^2)$

$$\begin{cases} x = \frac{m}{8a^3}(p^2-q^2)\left[p^2+q^2-4a^2\right] \\ \frac{z}{\varrho} = 1 - \frac{m^2}{a^2}(p^2+q^2) + \frac{m^2}{2a^4}(p^4+q^4) \end{cases}$$

$1 + \frac{m^2}{4a^4}(p^2+q^2)^2 - \frac{m^2}{a^2}(p^2+q^2) + \frac{m^2}{4a^4}(p^2-q^2)^2$ $\qquad k=1$

$m=1$ $\qquad m<1$

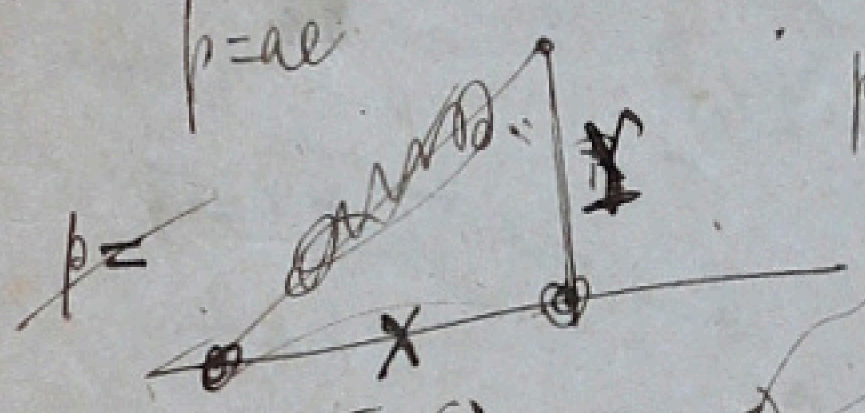
$2\frac{p^2}{a^2} = -\frac{z}{\varrho} + 1 + \lambda^2 + u\frac{v}{\varrho}$

$2\frac{q^2}{a^2} = -\frac{z}{\varrho} + 1 + \lambda^2 + v\frac{v}{\varrho}$ $\qquad k^4a^4 = \cancel{(x^2+q^2+z^2)^2 + (x^2+q^2+z^2)(u^2+v^2)} + u^2v^2$

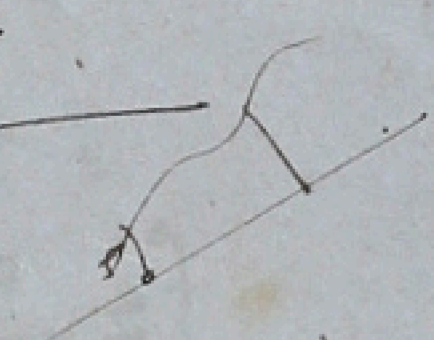
$= \cancel{(x^2+q^2+z^2)}\varrho$

$p = ae^{\frac{s}{a}}$

$\cancel{p =}$



$p^2+q^2 = 2(x^2+q^2+z^2) + u^2+v^2$ $\qquad \lambda x + \mu y + \nu z = 0$

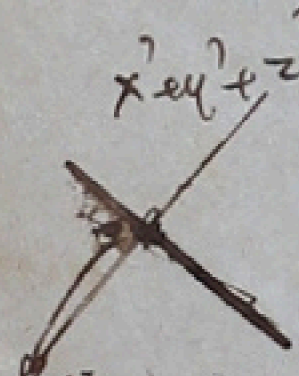


$u-v = 2a$ $\qquad \begin{cases} u = t+a \\ v = t-a \end{cases}$

$u+v = 2t$

$X(s), Y(s)$

$x^2+q^2+z^2 = \varphi(s)$ $\qquad \frac{1}{2}(p^2+q^2) = (x^2+q^2+z^2) + a^2 + \frac{1}{16a^2}(p^2-q^2)^2$



$\cancel{x^2}+q^2+\cancel{z^2} = \frac{1}{2}(p^2+q^2) - a^2 - \frac{1}{16a^2}(p^2-q^2)^2 - x^2 - z^2$

$xq^2 + \cancel{(x^2+z^2)(1-\lambda^2-\nu^2)} + (\lambda x + \nu z)^2 = (1-\lambda^2-\nu^2)\left[\frac{1}{2}(p^2+q^2) - a^2 - \frac{1}{16a^2}(p^2-q^2)^2\right]$

$(1-\nu^2)x^2 + (1-\lambda^2)z^2 =$

$+ (1-\lambda^2)z^2 + \nu^2\left[\frac{1}{2}(p^2+q^2) - a^2 - \frac{1}{16a^2}(p^2-q^2)^2 - x^2\right] = (1-\lambda^2)\left[\frac{1}{2}(p^2+q^2) - a^2 - \frac{1}{16a^2}(p^2-q^2)^2\right] - x^2$