

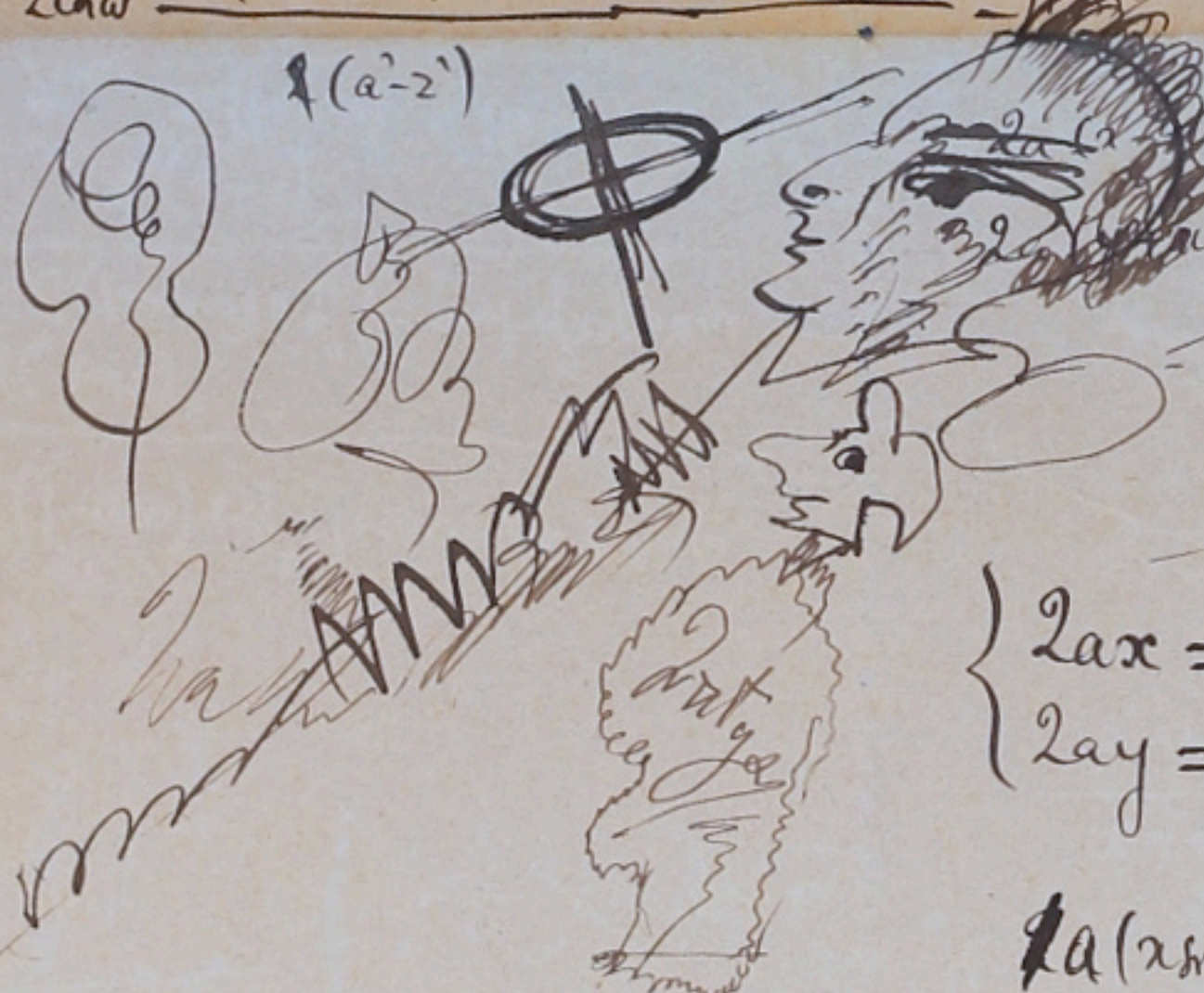
$$\frac{x - u \cos \beta}{(u-v) \cos \beta} = \frac{y + u \sin \beta}{-(u+v) \sin \beta} = \frac{z-a}{+2a}$$

$$\frac{x^2(1-u^2) + y^2(1+u^2) + 2xy \sin \alpha}{x^2(1-u^2) + y^2(1+u^2) + 2xy \sin \alpha} + \frac{x^2(a+z)^2}{x^2(1-u^2) + y^2(1+u^2) + 2xy \sin \alpha} + \frac{x^2(a-z)^2}{x^2(1-u^2) + y^2(1+u^2) + 2xy \sin \alpha} - 2au = \dots$$

$$\frac{x - u \cos \beta}{u-v} = \frac{z-a}{2a} \cos \beta$$

$$\frac{y + u \sin \beta}{u+v} = -\frac{z-a}{2a} \sin \beta$$

$$x^2(1-u^2) + y^2(1+u^2) = a^2 \sin^2 \alpha$$



$$\begin{cases} 2ax = (z+a)u \cos \beta - (z-a)v \cos \beta \\ 2ay = -(z+a)u \sin \beta - (z-a)v \sin \beta \end{cases}$$

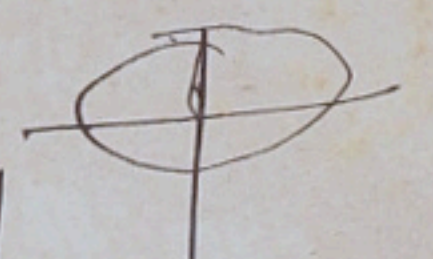
$$\begin{cases} 2ax = (z+a)u \cos \beta - (z-a)v \cos \beta \\ 2ay = -(z+a)u \sin \beta - (z-a)v \sin \beta \end{cases}$$

$$\begin{cases} 2a(x \sin \beta - y \cos \beta) = (z+a)u \sin \beta \cos \beta \\ 2a(x \cos \beta + y \sin \beta) = -(z-a)v \sin \beta \cos \beta \end{cases}$$

$$\frac{2a(x \sin \beta - y \cos \beta)^2}{(a+z)^2} + \frac{2a(x \cos \beta + y \sin \beta)^2}{(a-z)^2} - 2 \cos \beta \frac{2a(x \sin \beta - y \cos \beta)(x \cos \beta + y \sin \beta)}{(a-z)^2} = 4 \sin^2 \alpha$$

$$u = \frac{2a(x \sin \beta - y \cos \beta)}{(a+z) \sin \beta \cos \beta}$$

$$v = \frac{2a(x \cos \beta + y \sin \beta)}{(a-z) \sin \beta \cos \beta}$$



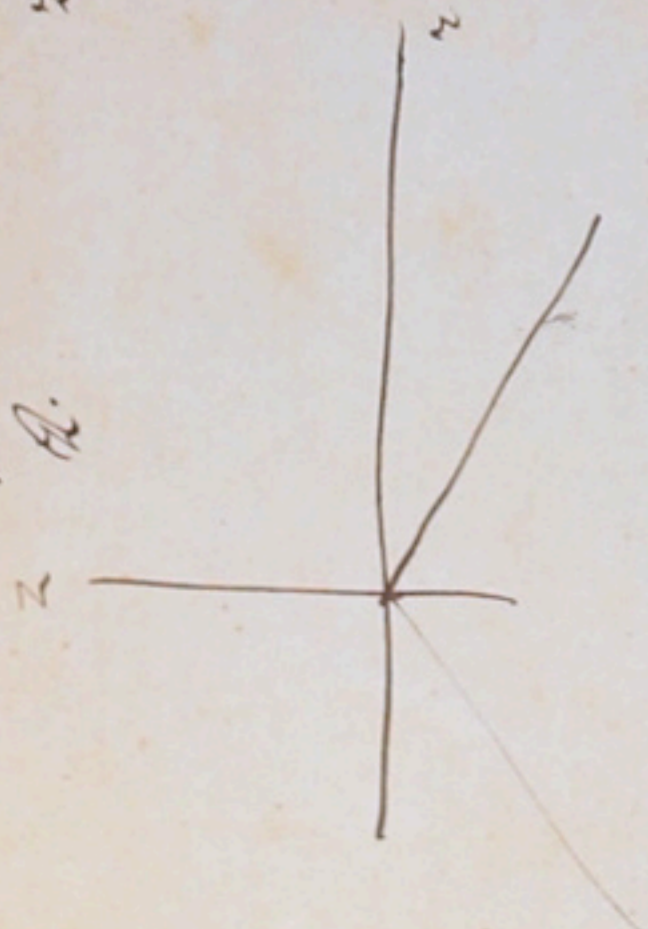
(Page Nobile)  
 sub. Mai 1820  
 1820

98	6
138	26
225	40
227	12
264	28
273	18
308	18
369	20
<hr/>	
168	

(240)       $\frac{300}{20}$       800

Men,  
 C'est je demande un  
 fonds, en quelques jours, (176-187) 80 (240)  
 je vous prie de ne pas m'envoyer  
 la fiche isolée, 1150 / 1400  
 dont je vous ai 500 / 2500  
 parlé dans un deux lettre. Si le modèle (11, 4) \*  
 vient par une partie, vous pouvez le  
 retourner pour en l'envoyer avec  
 les autres, dont je vous envoie quelques  
 pour la liste deux quelques jours.  
 L'envoyer M, l'envoyer avec les plus  
 \* des autres modèles ne sont pas en un

$z^2 = x^2 + y^2$   
 $z = 6 \log x$



$$\begin{array}{l|l}
 p_{xx} = \alpha & p_{xz} = \varphi - \left( \frac{\partial \alpha}{\partial x} + \frac{\partial \beta}{\partial y} \right) z \\
 p_{xy} = \beta & p_{yz} = \psi - \left( \frac{\partial \beta}{\partial x} + \frac{\partial \gamma}{\partial y} \right) z \\
 p_{yy} = \gamma & p_{zz} = \chi - \left( \frac{\partial \varphi}{\partial x} + \frac{\partial \psi}{\partial y} \right) z + \left( \frac{\partial^2 \alpha}{\partial x^2} + 2 \frac{\partial^2 \beta}{\partial x \partial y} + \frac{\partial^2 \gamma}{\partial y^2} \right) \frac{z^2}{2}
 \end{array}$$

$$\Delta^2 p_{xx} = -\frac{1}{1+\eta} \frac{\partial^2 \omega}{\partial x^2} \qquad \omega = \alpha + \gamma + \chi - \left( \frac{\partial \varphi}{\partial x} + \frac{\partial \psi}{\partial y} \right) z + \left( \frac{\partial^2 \alpha}{\partial x^2} + \dots \right) \frac{z^2}{2}$$

$$\left. \begin{array}{l}
 -(1+\eta) \Delta^2 \alpha = \frac{\partial^2}{\partial x^2} (\alpha + \gamma + \chi) - z \frac{\partial^2}{\partial x^2} \left( \frac{\partial \varphi}{\partial x} + \frac{\partial \psi}{\partial y} \right) + \frac{z^2}{2} \frac{\partial^2}{\partial x^2} \left( \frac{\partial^2 \alpha}{\partial x^2} + \dots \right) \\
 -(1+\eta) \Delta^2 \beta = \frac{\partial^2}{\partial x \partial y} (\dots) - z \frac{\partial^2}{\partial x \partial y} \left( \frac{\partial \varphi}{\partial x} + \frac{\partial \psi}{\partial y} \right) + \dots \\
 -(1+\eta) \Delta^2 \gamma = \frac{\partial^2}{\partial y^2} (\dots) - z \frac{\partial^2}{\partial y^2} \left( \frac{\partial \varphi}{\partial x} + \frac{\partial \psi}{\partial y} \right) + \dots
 \end{array} \right\}$$

$$\begin{aligned}
 & f_1(t) dx + f_2(t) (t dx + x dt) = 0 \\
 & (\varphi + t \psi) \frac{dx}{x} + \frac{t \psi}{\varphi + t \psi} dt = 0 \\
 & \ln x + \int \frac{\psi dt}{\varphi + t \psi} = \dots \\
 & x e^{\int \frac{\psi dt}{\varphi + t \psi}} = \text{const} \\
 & x f\left(\frac{y}{x}\right) = \text{const}
 \end{aligned}$$

$$\begin{array}{l}
 x f\left(\frac{y}{x}\right) \\
 x f\left(\frac{y}{x}\right) - y f'\left(\frac{y}{x}\right) \\
 x y f'\left(\frac{y}{x}\right) \\
 x f\left(\frac{y}{x}\right) - y f'\left(\frac{y}{x}\right)
 \end{array}
 \qquad
 \begin{array}{l}
 x f\left(\frac{y}{x}\right) - y f'\left(\frac{y}{x}\right) \\
 f'\left(\frac{y}{x}\right) \\
 x d\left[x f\left(\frac{y}{x}\right)\right] = \left[x f\left(\frac{y}{x}\right) - y f'\left(\frac{y}{x}\right)\right] dx + x f'\left(\frac{y}{x}\right) dy \\
 \frac{1}{x} d\left[x f\left(\frac{y}{x}\right)\right] = f\left(\frac{y}{x}\right) \frac{dx}{x} + \frac{y dx - y dx}{x} f'\left(\frac{y}{x}\right) \frac{dy}{x}
 \end{array}$$

$\frac{1}{x}$