Società Vinicola Taurasina

$$u = x + y \qquad v = x - y$$

$$\frac{\partial f}{\partial x} = \frac{\partial f}{\partial y}$$

$$\frac{\partial f}{\partial x} = \frac{\partial f}{\partial u} + \frac{\partial f}{\partial v}$$

$$\frac{\partial f}{\partial y} = \frac{\partial f}{\partial u} - \frac{\partial f}{\partial v}$$

$$\frac{\partial f}{\partial x} + \frac{\partial f}{\partial y} = 2\frac{\partial f}{\partial u}$$

Napoli 11 Maggio 1906

Via Roma N. 429

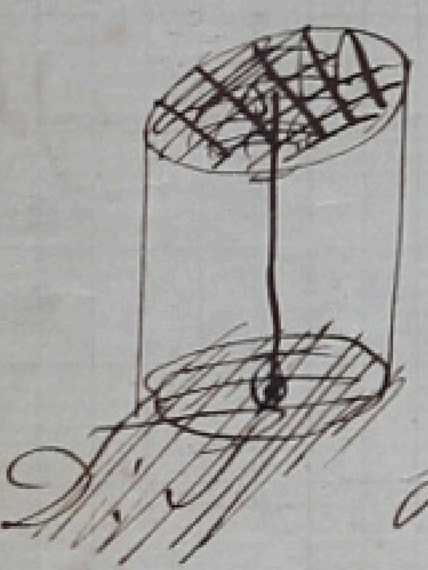
Taurasina

Ill.mo Signore

Mettiamo a sua conoscenza che la nostra azienda ha riaperto nel Palazzo De Rosa il suo studio di rappresentanza dei suoi eccellenti vini di Taurasi ed olii di Ferrandina. Sicuri che come altra volta saremo onorati dei suoi pregiati comandi passiamo a riverirla

Taurasina

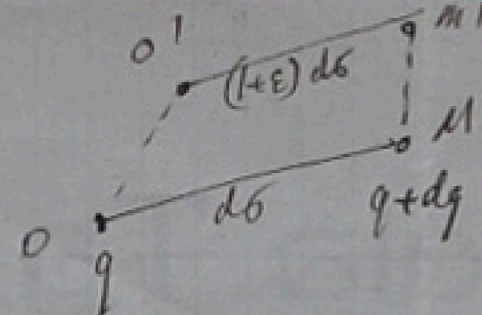
La Società



Lo studio è aperto dalle 10 a.m. alle 6 p.m.

Telegrammi: Taurasina - Napoli

$$d\sigma^2 = Q_1^2 dq_1^2 + Q_2^2 dq_2^2 + Q_3^2 dq_3^2$$



$\varepsilon d\sigma = \delta d\sigma$

con [illegible] alle [illegible] Italiani.—

~~[illegible]~~

$$d\sigma\,\delta d\sigma = Q_1^2 dq_1\,\delta dq_1 + \cdots + Q_1 \delta Q_1 \cdot dq_1^2 + \cdots\cdots$$

$$\alpha_1 = Q_1 \frac{dq_1}{d\sigma}$$

$$\alpha_2 -$$

$$\varepsilon = Q_1^2 \frac{dq_1}{d\sigma}\frac{d\delta q_1}{d\sigma} + \cdots + Q_1 \delta Q_1 \left(\frac{dq_1}{d\sigma}\right)^2 + \cdots\cdots$$

$$\varepsilon = Q_1 \alpha_1 \frac{d\delta q_1}{d\sigma} + \cdots + \frac{\delta Q_1}{Q_1}\alpha_1^2 + \cdots$$

$$\frac{d}{d\sigma} = \frac{dq_1}{d\sigma}\frac{\partial}{\partial q_1} + \cdots$$

$$\frac{d}{d\sigma} = \frac{\alpha_1}{Q_1}\frac{\partial}{\partial q_1} + \frac{\alpha_2}{Q_2}\frac{\partial}{\partial q_2} + \cdots$$

$$\varepsilon = Q_1\alpha_1\left(\frac{\alpha_1}{Q_1}\frac{\partial \delta q_1}{\partial q_1} + \frac{\alpha_2}{Q_2}\frac{\partial \delta q_1}{\partial q_2} + \frac{\alpha_3}{Q_3}\frac{\partial \delta q_1}{\partial q_3}\right) + \frac{\delta Q_1}{Q_1}\alpha_1^2 + \cdots +$$
$$+ Q_2\alpha_2\left(\frac{\alpha_1}{Q_1}\frac{\partial \delta q_2}{\partial q_1} + \frac{\alpha_2}{Q_2}\frac{\partial \delta q_2}{\partial q_2} \cdots\right) \cdots$$
$$+ Q_3\alpha_3(\cdots)$$

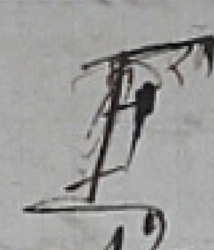
$$\varepsilon = Q_1$$

$$\varepsilon = \alpha_1^2 \delta\theta_1 + \alpha_2^2 \delta\theta_2 + \cdots + \alpha_2\alpha_3 \delta\omega_1 + \cdots$$

$$\delta\theta_1 = \frac{\partial \delta q_1}{\partial q_1} + \frac{\delta Q_1}{Q_1}$$
$$\delta\theta_2 = \frac{\partial \delta q_2}{\partial q_2} + \frac{\delta Q_2}{Q_2}$$

$$\delta\omega_1 = \frac{Q_2}{Q_3}\frac{\partial \delta q_2}{\partial q_3} + \frac{Q_3}{Q_2}\frac{\partial \delta q_3}{\partial q_2}$$
$$\delta\omega_2 = \frac{Q_3}{Q_1}\frac{\partial \delta q_3}{\partial q_1} + \frac{Q_1}{Q_3}\frac{\partial \delta q_1}{\partial q_3}$$
$$\delta\omega_3 \cdots$$

$O'(q_1, q_2, q_3)$



F_{12}

$\cancel{F_1 dS}$ $(F_1, F_2, F_3)\,dS$

$(\varphi_1, \varphi_2, \varphi_3)\,dS$

$$F_1\,dS \cdot Q_1 \delta q_1 + \cdots$$

$$\int (Q_1 F_1 \delta q_1 + Q_2 F_2 \delta q_2 + Q_3 F_3 \delta q_3)\,dS + \int (Q_1 \varphi_1 \delta q_1 \cdots)\,ds + \int (\Theta_1 \delta\theta_1 + \Theta_2 \delta\theta_2 + \cdots + \Omega_1 \delta\omega_1 \cdots)\,dS$$

$$\int \Theta_1 \delta\theta_1\,dS = \int \nabla\Theta_1 \frac{\partial \delta q_1}{\partial q_1}\frac{dS}{\nabla} + \int \frac{\Theta_1}{Q_1}\delta Q_1\,dS$$

$$= \int \frac{\partial}{\partial q_1}\left(\nabla\Theta_1 \cdot \delta q_1\right)\cdot\frac{dS}{\nabla} - \int \frac{\partial \nabla\Theta_1}{\partial q_1}\cdot \delta q_1 \frac{dS}{\nabla} + \int \frac{\Theta_1}{Q_1}\delta Q_1\,dS$$

$$= -\int Q_1 \Theta_1 \cos(nq_1)\,\delta q_1\,ds - \int \frac{\partial \nabla\Theta_1}{\partial q_1}\delta q_1 \frac{dS}{\nabla} + \int \frac{\Theta_1}{Q_1}\delta Q_1\,dS$$

$$\frac{1}{\alpha}\frac{\partial f}{\partial x} = \frac{1}{\beta}\frac{\partial f}{\partial y} = \cancel{\frac{\partial f}{\partial(\alpha x + \beta y)}}$$

$$u = \alpha x + \beta y$$

$$\frac{\partial f}{\partial x} = \frac{\partial f}{\partial u}\left(\alpha + x\frac{\partial \alpha}{\partial x} + y\frac{\partial \beta}{\partial x}\right) + \frac{\partial f}{\partial v}\frac{\partial v}{\partial x}$$
$$\frac{\partial f}{\partial y} = \frac{\partial f}{\partial u}\left(\beta + x\frac{\partial \alpha}{\partial y} + y\frac{\partial \beta}{\partial y}\right) + \frac{\partial f}{\partial v}\frac{\partial v}{\partial y}$$

$$\frac{\partial v}{\partial y} \qquad \frac{\partial v}{\partial x}$$

$$\cancel{\frac{\partial f}{\partial x}\Big/ x = \frac{\partial f}{\partial y}\Big/ y} = \frac{\partial f}{\partial(\alpha x + \beta y)}$$