$$\frac{1}{\rho} = \frac{ra^2+2sab+tb^2}{\sqrt{1+p^2+q^2}}$$

$$(pa+qb)^2 = 1-(a^2+b^2).$$

$$(1+p^2)a^2+2pq\,ab+(1+q^2)b^2 = 1$$

Curv. Ass. Gen.

$$\begin{cases} ra+sb = k\left[(1+p^2)a+pq\,b\right] \\ sa+tb = k\left[(1+q^2)b+pq\,a\right] \end{cases}$$

$$ra^2+2sab+tb^2 = k$$

$$\cancel{r-k(1+p^2)}$$

$$\begin{vmatrix} k(1+p^2)-r & kpq-s \\ kpq-s & k(1+q^2)-t \end{vmatrix} = 0$$

$$k^2(1+p^2)(1+q^2) - k\left[r(1+q^2)+t(1+p^2)\right] + rt = 0$$
$$-k^2p^2q^2 \qquad -2pqs \qquad -s^2$$

$$k^2(1+p^2+q^2) - k\left[(1+q^2)r-2pqs+(1+p^2)t\right] + rt-s^2 = 0$$

$$\frac{1}{R_1} = \frac{k_1}{\sqrt{1+p^2+q^2}} \qquad \frac{1}{R_2} = \frac{k_2}{\sqrt{1+p^2+q^2}}$$

$$k_1k_2 = \frac{rt-s^2}{1+p^2+q^2}$$

$$k_1+k_2 = \frac{(1+q^2)r-2pqs+\ldots}{1+p^2+q^2}$$

$$\frac{1}{R_1R_2} = \frac{rt-s^2}{(1+p^2+q^2)^2}$$

$$\frac{1}{R_1}+\frac{1}{R_2} = \frac{(1+q^2)r-\ldots}{(1+p^2+q^2)^{\frac{3}{2}}}$$

Caro Br[illegible]

Vi [illegible] mill'altre [illegible] – Mi duole di non potermi [illegible] di più, perchè costretto per alcuni mesi, ho, [illegible] al voto, molti altri [illegible]. A [illegible] il mio [illegible] ~~Mille~~ Cordiali saluti

$$\cancel{X = -k(3A-4B)\frac{\partial\vartheta}{\partial x}}$$

$$u = -\frac{k(3A-4B)}{4\pi A}\int\frac{\partial\vartheta}{\partial x}\frac{dS}{r}$$

$$A-B$$

$$u' = \frac{\partial\varphi}{\partial x}$$

$$\varphi + A\Delta'\varphi = 0$$

$$\varphi = \frac{-k(3A-4B)}{4\pi A}\int\frac{\vartheta\, dS}{r}$$

$$p\frac{da}{ds}+q\frac{db}{ds}-h\frac{dc}{ds} =$$

$$pa+qb-c=0$$

$$u = u' + u''$$

$$\zeta = \zeta' + \zeta''$$

$$\begin{cases} u' = -\frac{k(3A-4B)}{4\pi A}\frac{\partial}{\partial x}\int\frac{\vartheta\, dS}{r} \\ v' = - \quad " \quad \frac{\partial}{\partial y}\int \end{cases}$$

$$z = 0$$

$$\begin{cases} \zeta' + B\left(\frac{\partial u'}{\partial z}+\frac{\partial w'}{\partial x}\right) = 0 \\ \mathfrak{M}' + B\left(\frac{\partial v'}{\partial z}+\frac{\partial w'}{\partial y}\right) = 0 \\ N' + (A-2B)\Theta' + 2B\frac{\partial w'}{\partial z} = 0 \end{cases}$$

$$\Theta' = +\frac{k(3A-4B)}{4\pi A}\vartheta$$

$$\zeta_1' = -2B\frac{k(3A-4B)}{4\pi A}\frac{\partial}{\partial z}\left[\int\vartheta\frac{\partial\frac{1}{r}}{\partial x}dS\right]$$

$$M' = -2B \cdots \frac{\partial}{\partial x}$$

$$N'$$

$$\int\frac{\partial}{\partial\xi}\frac{\vartheta}{r}dS - \int\frac{1}{r}\frac{\partial\vartheta}{\partial\xi}dS$$