Monsieur,

~~Recevez mes remerciements~~

Bien des

~~Je vous remercie~~ pour les mémoires, ~~si pleins d'intérêt~~, que vous avez bien voulu m'envoyer.

~~Quoique l'impôt tous ceux de vos travaux~~

Vos cadeaux augmentent mon regret d'avoir ~~trop tôt~~ quitté ~~trop tôt~~ attendu ~~(peut-être~~ (peut-être pour toujours) ~~[illegible]~~ l'étude de la mer. Hélas les courses ; mais c'est ~~[illegible]~~ avec les plus vifs intérêts que je suis l'ensemble de vos travaux.

Veuillez, Monsieur, agréer...

$$a_n = v_1 + v_2 + \dots + v_{n-1}$$

$$\frac{1}{\rho_n} = \varepsilon_n \quad \cancel{\varepsilon_n} (n+1)u_n - (n-1)u_n(1+u)$$

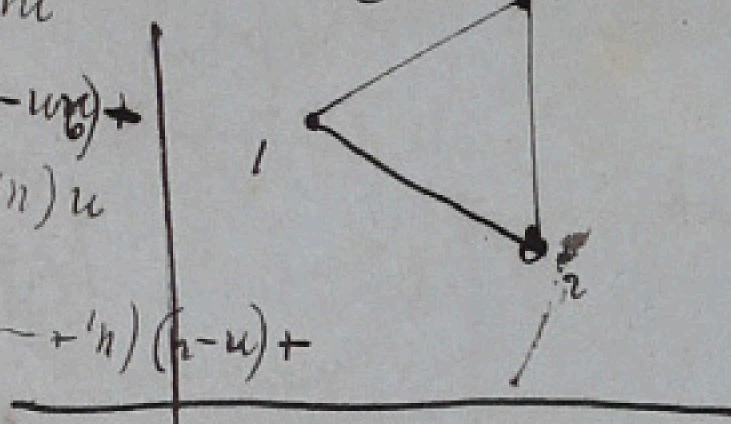
$$\rho_n - \rho_{n-1} = \lambda_n \varepsilon_n + \cancel{\dots}$$

$$a_n b_n = a_{n+1}\lambda_n - a_n\lambda_{n-1} - \rho_n + \rho_{n-1}$$

$$n u_{n-1} - (n-2)u_{n-2}$$

$$n(u_{n-2} + u_{n-1}) + (2n-2)u_{n-2}$$

$$+ (n-4)(u_1 + \dots + u_{n-3})$$

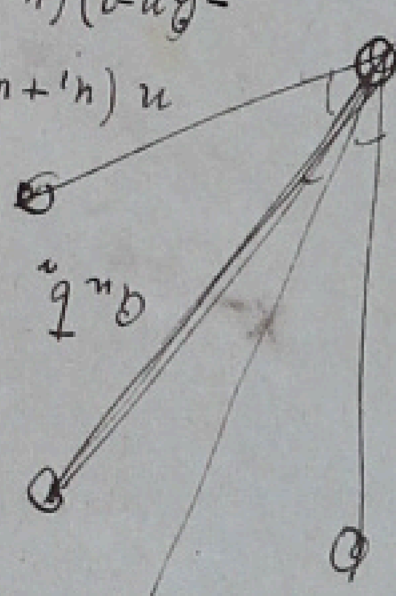


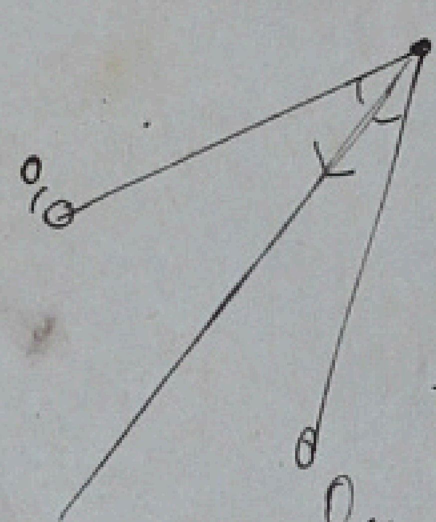
$$n(u_1 + u_2 + \dots + u_{n-1}) + -(2n-2)(u_1 + \dots + u_{n-2})$$

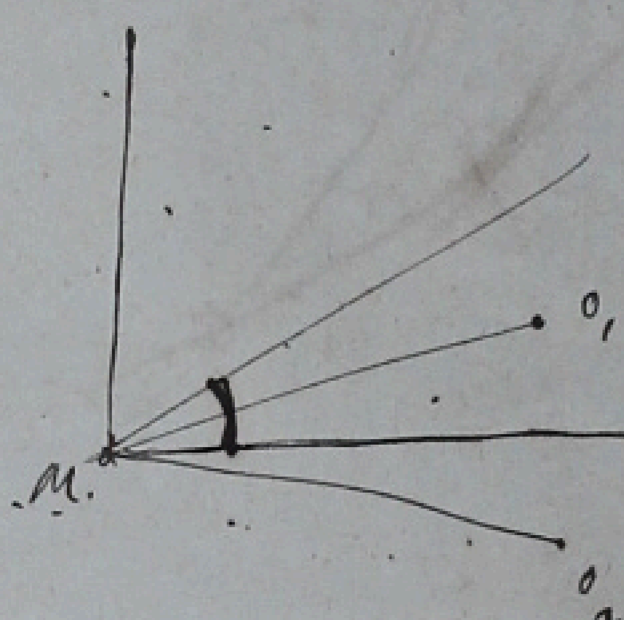
$$n S_{n-1} - (n-1)S_{n-2} + (n-2)S_{n-3}$$

$$a_n b_n$$

$$S_{n-1}$$

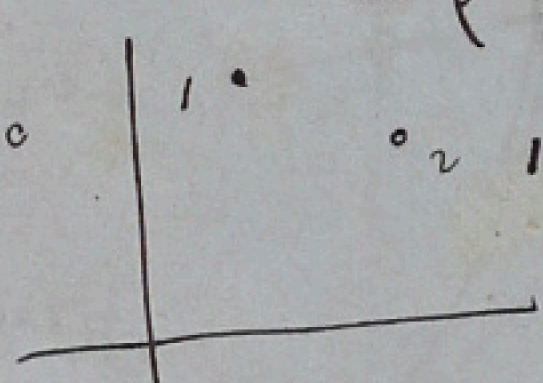






$$a_n = n S_{n-1} - (n-1) S_{n-2}$$

$$a_1 b_1 + \dots + a_n b_n = a_{n+1}\lambda_n - \dots$$



$$b_n = \lambda_n - \lambda_{n-1}$$

$$a_1 b_1 + \dots + a_n b_n = \frac{a_{n+1}(b_1 + \dots + b_n)}{} - \dots$$

$$a_n = \sim$$

$$\frac{b_1 + b_2(2S_1 - 1) + b_3(3S_2 - 2S_1) + \dots + b_n(nS_{n-1} - (n-1)S_{n-2})}{b_1 + \dots + b_n}$$

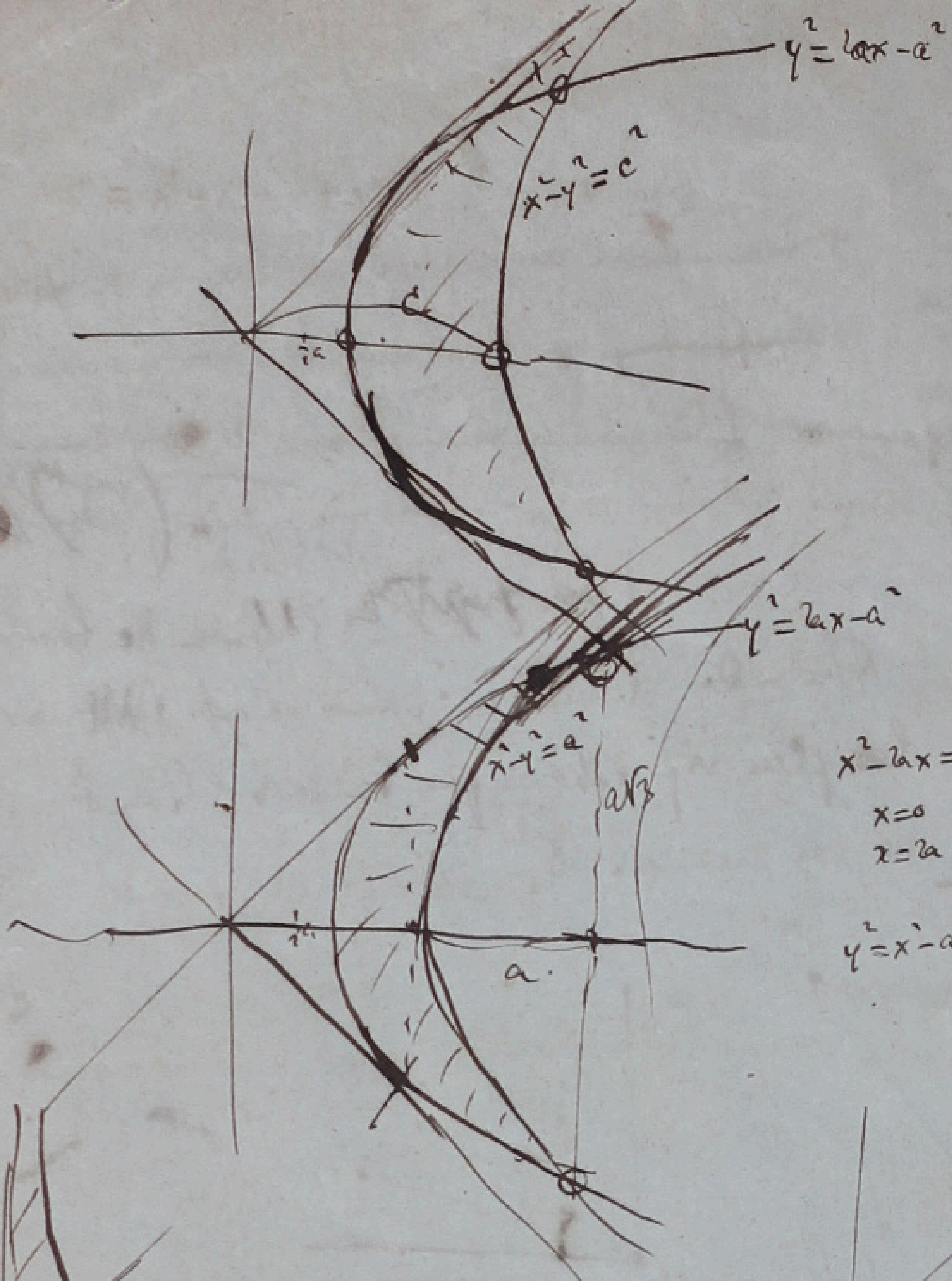
$$\frac{2}{u_n} > \frac{1}{u_{n-1}} + \frac{1}{u_{n+1}}$$

$$u_{n-1} \geq u_n > \dots$$

$$\frac{1}{u_{n+1}} - \frac{1}{u_n} > \frac{1}{u_n} - \frac{1}{u_{n-1}}$$

$$b_n = \frac{1}{u_n} - \frac{1}{u_{n-1}}$$

$$a_n = n S_{n-1} - (n-1) S_{n-2}$$



$x^2 - 2ax + a^2 = c^2$

$(x-a)^2 = c^2$

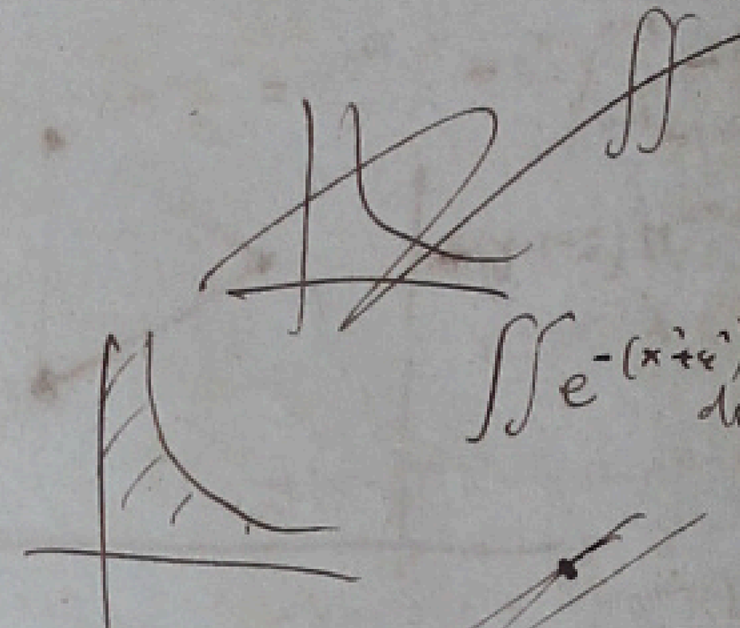
$x = a \pm c$

$x^2 - 2ax = 0$

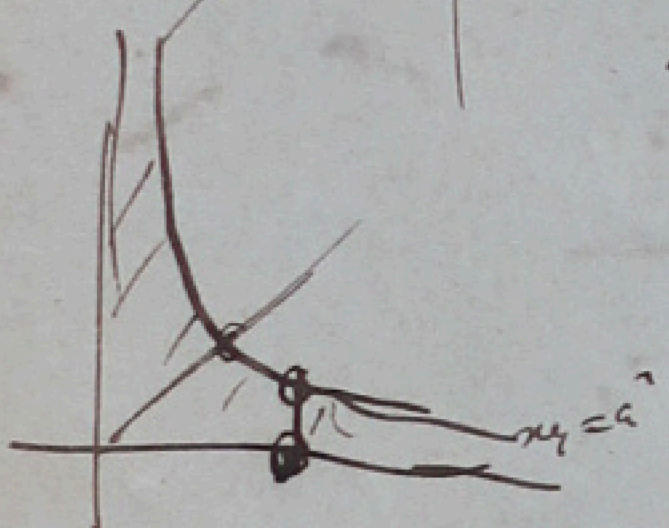
$x = 0$

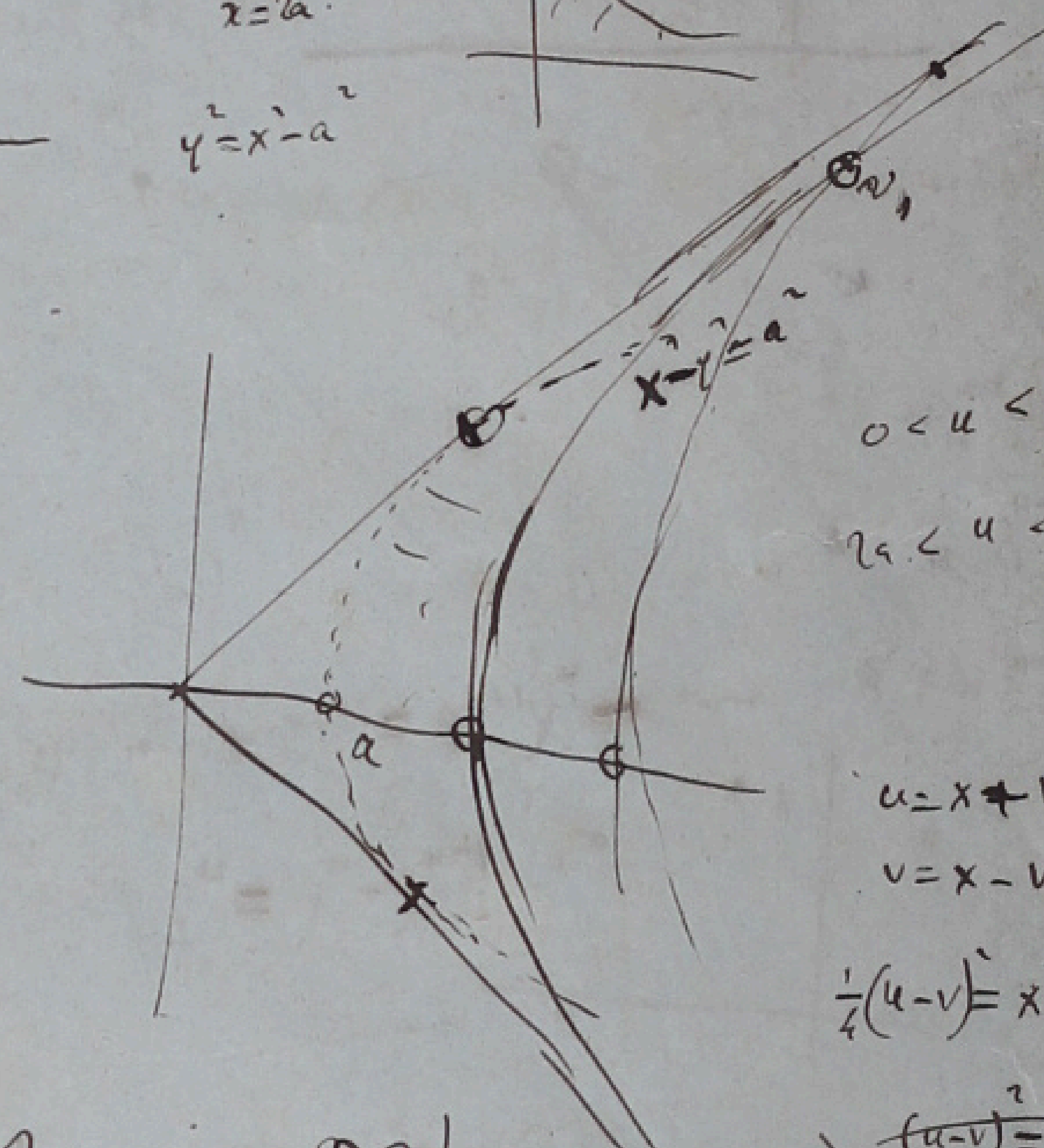
$x = 2a$

$y^2 = x^2 - a^2$



$\iint e^{-(x^2+y^2)}\,dx\,dy$





$0 < u < 2a$

$2a < u < \infty$

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

$v = x - \sqrt{}$

$\frac{1}{4}(u-v)^2 = x^2 - y^2$

$\cancel{(u-v)^2 = 4a^2}$

$u - v = 2a$

$$\int_0^\infty dx \int_0^{\frac{a^2}{x}} e^{-y^2}\,dy$$

$$\iint e^{-r^2}\, r\,dr\,d\theta \qquad \frac{\pi}{2} e^{-2a^2}$$

$$\frac{1}{4}\int_0^{\frac{\pi}{2}} d\theta \int_{\sqrt{2}a}^{\infty} e^{-r^2}\, d(r^2)$$

$2a < u < \infty \quad | \quad 0 < v < u - 2a$

$0 < u < 2a \quad | \quad 0 < v < u$, poi $v = u l$

rinfr. e congi.

$$\iint \frac{dx\,dy}{\sqrt{x^2 - y^2}}$$