Ch.[illegible]

Grazie [illegible] per la gentile idea che ha avuto di [illegible] il
~~[illegible]~~ disegno del Ruffini. Io ~~[illegible]~~ di allora,
alcun [illegible] per ora, il meno possibile dal ~~[illegible]~~ corso del
mio pensiero; ~~[illegible]~~ e senza far menzione "[illegible]
di lui", perchè non ~~[illegible]~~ adopererò il simbolo vettoriale,
~~[illegible]~~ per [illegible] della [illegible] dei vettori.

Grazie, ancora, per l'interesse che Ella ~~[illegible]~~
~~[illegible]~~ vuol prendere alla questione del mio alloggio.
~~[illegible]~~ ~~[illegible]~~ [illegible] di non darsi ~~[illegible]~~ fastidio. ~~[illegible]~~
~~[illegible]~~ ~~[illegible]~~ Le indicazioni che Ella mi dà sono
[illegible], ed io le ho subito [illegible] a un
[illegible], affinchè, nei [illegible] di [illegible], se ne
serva di guida per cercare [illegible] ~~[illegible]~~
appartamento. — ~~[illegible]~~ Grazie, che [illegible]
[illegible] dei [illegible]

~~[illegible]~~ [illegible]

~~[illegible]~~ [illegible]

Ch.[illegible] Sig. Professore,

Mi [illegible] ~~[illegible]~~ a [illegible] per [illegible] Dono ~~[illegible]~~ delle
~~[illegible]~~ Memorie. — ~~[illegible] di [illegible] obbligato a [illegible]~~
~~[illegible] [illegible] [illegible] letta che [illegible]~~
~~[illegible]~~ [illegible] di [illegible] ~~[illegible]~~
[illegible] e mi [illegible] nell'[illegible] di [illegible] e di
studiarle. E sa che dovrei, ora, mettermi allo
studio delle Mecc., per [illegible] troppo [illegible]
~~Ella sa che~~ ~~[illegible]~~ Ella sa che ~~[illegible]~~ [illegible]?! —
~~[illegible]~~ C. S. ebbe a [illegible] per
~~[illegible]~~ del 4 Maggio Ora [illegible] per
che la [illegible], e spero bene di [illegible] alla
[illegible], nel [illegible] Ottobre. — ~~[illegible]~~, [illegible]
~~[illegible]~~ Grazie, che [illegible], [illegible]
del [illegible]

[illegible]

Ch.[illegible]

$$k = \frac{\sqrt{A^2 - B^2}}{A} \qquad k^2 = \frac{4aR}{(a+R)^2} \cdot \frac{\sqrt{a^2\sin^2\omega + z^2\cos^2\omega}}{a^2(1+\sin^2\omega) + z^2\cos^2\omega + 2a\sqrt{\quad}}$$

$$R = \sqrt{a^2\sin^2\omega + z^2\cos^2\omega}$$

$$k^2 = \frac{R}{a^2 + \quad}$$

$$\begin{cases} A = \dfrac{\operatorname{tg}\alpha}{\cos\omega}\left(a + \sqrt{a^2\sin^2\omega + z^2\cos^2\omega}\right) \\ B = \dfrac{\operatorname{tg}\alpha}{\cos\omega}\left(a - \sqrt{a^2\sin^2\omega + z^2\cos^2\omega}\right) \end{cases}$$

$$A^2 = \frac{\operatorname{tg}^2\alpha}{\cos^2\omega}\left[a + \sqrt{a^2\sin^2\omega + z^2\cos^2\omega}\right]^2$$

$$A + B = \frac{2\operatorname{tg}\alpha}{\cos\omega}$$

$$A + B =$$

$$k^2 = \frac{4aR}{(a+R)^2}$$

$$\frac{1}{k^2} = \frac{a^2 + R^2 + 2aR}{4aR} = \frac{1}{2} + \frac{a}{4R} + \frac{R}{4a}$$

$R = a$

$a^2\sin^2\omega \quad a\cos\omega = 0 \quad \omega = 0$

$2a\omega = 0 \quad z = 0$

$z \neq 2a$ $\quad R = a\cos\omega$

$A^2 B^2$

$a\sin\omega \leq R \leq a$

$$\frac{a}{4R} + \frac{R}{4a} > \frac{1}{2}$$

$$y = \frac{a}{R} + \frac{x}{a}$$

$a\cos\omega < x < a$

$R =$

$$axy = a^2 + x^2$$

$x = 0$

$x = ay$ $\quad k_\varphi = \frac{1}{a}$.

$a\sin\omega < R < a$

$ay \leq 2x$

$ax = 0$

$k^2 = \frac{4a^2}{\quad}$

$$k^2 = \frac{4a\sin\omega}{(1+\sin\omega)^2}$$

$a + a\cos\omega$ $\quad \text{arc.}_{\min x}) = \frac{2\sqrt{\sin\omega}}{1+\sin\omega}$.

$$\frac{2\sqrt{\cos\varphi}}{1+\cos\varphi} \qquad \frac{\cos^2\frac{\varphi}{2} - \sin^2\frac{\varphi}{2}}{4\cos^2\frac{\varphi}{2}}$$