THULSO-Wing 3- Sammen Saffe (Fei)

oppouve 1:

a)
$$\left| \frac{\Delta T}{T_o} \right|_{\text{pubs}} = c_1 c_1$$
 $\left| \frac{\Delta d}{d_o} \right|_{\text{pubs}} = c_1 c_2$

$$f = CT$$

$$\left| \frac{\Delta f}{f} \right|_{mans} = 3$$

Taylor- rether thinking:
mud hensyn pai t

$$\frac{f(t_0 + \Delta t)}{f(t_0)} = \frac{f(t_0)}{dt} + \frac{df}{dt} = \frac{d^2f}{dt^2} = \frac{d^2$$

$$\Rightarrow \frac{|\Delta f|}{|f(t_0)|} = \frac{|\Delta f|}{|f(t_0)|} = \frac{|\Delta f|}{|f(t_0)|} = \frac{|\Delta f|}{|f(t_0)|}$$

Ved små feil van man gjære antavellen:

Littato ~ dt | st + st | Ad Toplo

Anta at falene er anningige?

[24 | toplo | ~ Ckstl + - Cto poll

d. d.

 $f(t,d) = \frac{ct}{d}$

 $= \frac{|\Delta f|}{|f|} = \frac{|C||\Delta t| - t||\Delta t|}{|f|}$

 $= \left| \frac{\mathcal{L}}{\mathcal{L}} \left(\left| \frac{\mathcal{L}}{\mathcal{L}} \right| - \left| \frac{\mathcal{L}}{\mathcal{L}} \right| \right) \right| - \left| \frac{\mathcal{L}}{\mathcal{L}} \right| - \left| \frac{\mathcal{L}}{\mathcal{L}} \right| - \left| \frac{\mathcal{L}}{\mathcal{L}} \right| \right|$ $+ \left| \mathcal{L}_{1} \mathcal{L}_{1} \mathcal{L}_{2} \mathcal{L}_{3} \mathcal{L}_{3$

= |0,01-0,02/=0,01

Huis vi anter at feilenc e vauvengige:

Littendol = | dt / st / todo |

Den malsimale schattve feiter
centurge 14th au version på Got eller.

d, men på 12th og 12dh

Monte-Ceedo Simulaing:

Mente-Crede Simularing:

Srepete: forsal number gange

se muthal-til

$$= \int \sigma_{+}^{2} = \sigma_{-}^{2} \left(\frac{J+}{J+} \right)^{2} + \sigma_{-}^{2} \left(\frac{J+}{J-} \right)^{2} + \frac{J+}{J-}$$

$$f(t,d) = \frac{CT}{J}$$

$$\sigma_{\theta}^{2} = \sigma_{t}^{2} \left(\frac{C}{d}\right)^{2} + \sigma_{d}^{2} \left(-\frac{ct}{d^{2}}\right)^{2} + \dots$$

$$= \left(\frac{Ct}{d}\right)^2 \left(\frac{\sigma_t^2}{T^2} + \frac{\sigma_d^2}{d^2}\right) = +^2 \left[\frac{\sigma_t^2}{T^2} + \frac{\sigma_d^2}{d^2}\right]$$

$$\frac{O_f^2}{f^2} = \frac{O_f^2}{T^2} + \frac{O_f^2}{d^2}$$

Smaller?

(e) (4) =>
$$\Theta(f_{a}+\Delta f) = \Theta(f_{c}) + \Delta f$$

Decreed Ulir
$$\Delta \theta \approx \frac{d\theta}{dt} \Delta t$$

$$\approx \frac{d\cos^2 t}{dt} \Delta t = \frac{1}{\sqrt{1-t^2}} \Delta t$$

$$= \frac{26}{4} = \frac{24}{\sqrt{1-t^2}} = \frac{24}{\cos^2 t}$$

$$\frac{\partial}{\partial t} = 0.01 \qquad \frac{\partial l}{\partial t} = 0.02$$

=> relative Std, auxili

Brown de første tellen i taylor relice. $O_f^2 = \sigma_t^2 \left(\frac{\delta t}{\delta t}\right)^2 + \sigma_a^2 \left(\frac{\delta t}{\delta d}\right)^2 + \cdots$

$$\frac{O_f^2 \approx O_{\overline{C}}^2 + O_{\overline{C}}^2}{\int_{\overline{C}}^2 + O_{\overline{C}}^2} + \frac{O_{\overline{C}}^2}{\int_{\overline{C}}^2 + O_{\overline{C}}^2} = \frac{15 \cdot 10^{54}}{\int_{\overline{C}}^2 + O_{\overline{C}}^2} \left(Se^{-2} \right) = \frac{15 \cdot 10^{54}}{\int_{\overline{C}}^2 + O_{\overline{C}}^2} \left(Se^{-2} \right)$$

demed Ulir

$$\sigma_{\hat{G}}^2 = \sigma_f^2 \left(\frac{dh}{dt} \right)^2 = \frac{\sigma_f^2}{1-t^2} = \frac{\sigma_f^2}{t^2} \cdot \frac{1}{t^2-1}$$

$$\frac{O_{\theta}^{2}}{\Theta} = \frac{O_{\tau}^{2}}{f^{2}} \cdot \frac{1}{f^{2}-1} \cdot \frac{1}{\cos^{2} f} \quad (?)$$