Phys 3266

Let bound be $x_1 - \alpha_1 x_2 b$.

It tout require even number of steps N_1 , $h_1 = (b-a)$. Now the the N_1 (Ass clone in trapezoids rule but too 2).

I, (fine integral)= I, (our integral) $+ch_1 = I_2 + ch_2^2$

It the difference between the two Is will give use the error in this wethout.

 $\begin{aligned}
\mathcal{I} - \mathcal{I} &= \mathcal{I}_2 - \mathcal{I}_1^{\dagger} = h_2^2 - \mathcal{I}_1 h_1^2 = 0 \\
(\mathcal{I}_2 - \mathcal{I}_1) &= ch_1^2 - ch_2^2 \\
&= ch_1^2 - ch_2^2 \\
&= (h_2^2 - ch_2^2)^2 \\
&= 16ch_2^2 - ch_2^2
\end{aligned}$

 $T_2 - T_1 = 15ch_2^2$ (ch2 = e)

e = \frac{1}{15} (22-2,)/