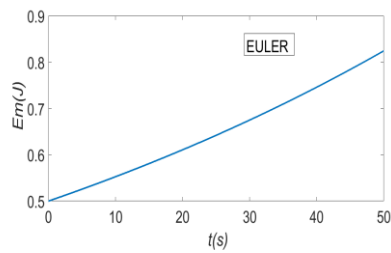


Física Computacional

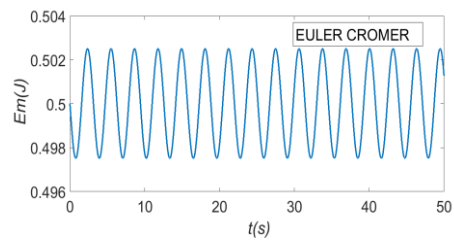
TRABALHO 2 -Soluções

Problema 2.1

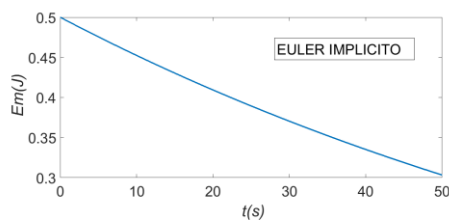
a) $h=0.01$



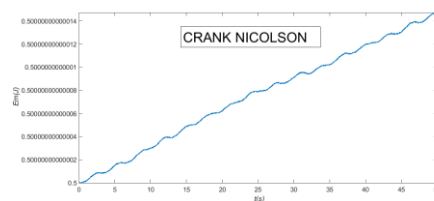
b) $h=0.01$



c) $h=0.01$

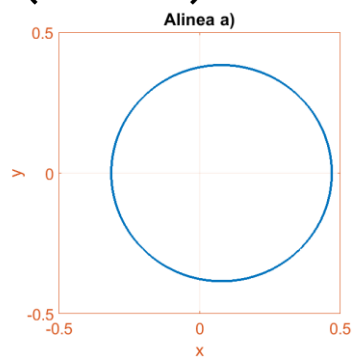


d) $h=0.01$



e) Euler-Cromer : Amplitude média = 1 m, T médio = 6.2832 s.

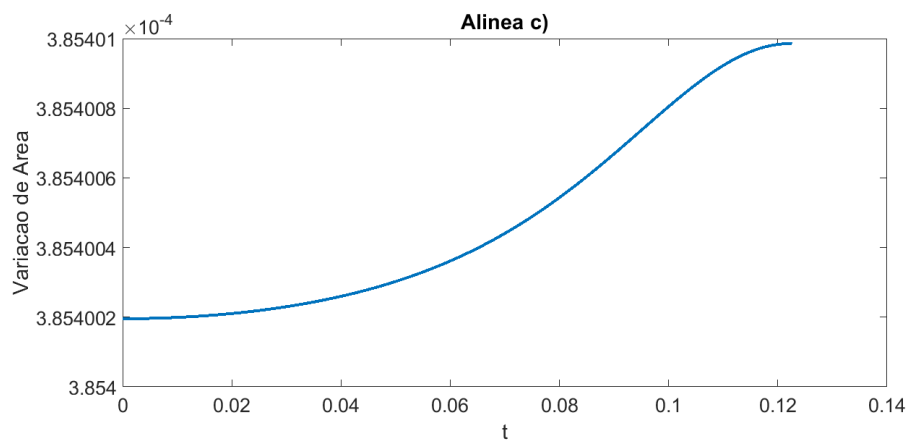
Problema 2.2 ($h=0.0001$;))



a)

b) $h=0.0001$;

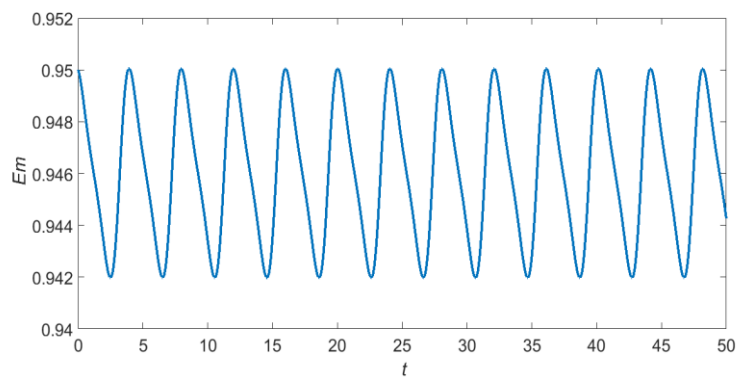
Periodo = 2.452746×10^{-1} s; $T=t(\text{end}) = 0.2453$ s



c)

Problema 2.3

- a) $h=0.01$;
 $T= 8.044553e+00$ s ; Amplitude $1.591942e+00$ m



b)

