Foundations of graphics

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2d) The Euler-nethod is a quite bad approximation for the given function Since the Runge Kuffa-Method is a hige order nethod the truncation error is alot smaller resulting in a Setter approximation.

A3)

a) 
$$V(t) = V(to) + \int_0^t aVt dt = \int_0^t aV(t)dt = \int_0^t V(sin(t)) dt = \int_0^t V(t) dt = \int_0^t V(t)dt = \int_0$$

5) Forward Euler Integration ... (fog &ide &o)

... is about the simplest possible way to do numerical integration - It works by iterating the linear slope of the derivative at a particular value as an approximation to the function at some nearby value important equations:

\$\times\_{not} = \times\_n + \times\_n \tau\$

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c) 
$$\vec{x}(t_0 + h) = \vec{x}(t_0) = \vec{x}(t_0) + h \vec{v}(t_0) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\cos(t_0) + \cos(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\cos(t_0) + \cos(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\cos(t_0) + \cos(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\cos(t_0) + \cos(t_0)} - \frac{\sin(t_0)}{\cos(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_0)} \right) = (1) + \pi \left( \frac{\sin(t_0)}{\sin(t_0)} - \frac{\sin(t_0)}{\sin(t_$$

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