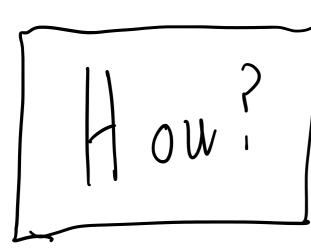
- Not all integrals are "expressable"

- Chaolic differential equation integrals

- This does not mean that they fan't exist - car can have relacity et? and ue cur find its position at some

I.M.



- Let's think of some ways to appreximate. -> We learned some in this 0/433

- ask

fuler

- jaylor polynomals

_ We'll tie both tagether

give me the taylor sories

f(x) = f(a) + f'(a) (x-a) f''(a) (x-a) f''(a) (x-a)

If we truncate taylor server bounds help us understand how good our approximations are

- don't neel to have an actual value

- give me ways to

estimate error

- Alternating series bound

- Laplange errer bound

Eu ler

give me Euler's method for one step

Lunge Kutta