











Consider a perdulum:
$$(114/1)$$

 $x = 2^{2}$ e.s. Get since & cosines
in equations generally metric
Need a tool & Philosophs For addiction nonlinear particles.
Tool: Local Approximation. Just Partent them we linear
Targler Servers: $F(x) = F(x_0) + F'(x_0) (x - x_0)$
 $+ \frac{F''(x_0) (x - x_0)}{2}$
 $+ \frac{F''(x - x_0) (x - x_0)}{2}$