```
Dinamicos
     - tmp
     - pos
     - vel

    accel

    fext

     + Dinamicos()
     + set_dynamic()
     + set fext()
     + get tmp()
     + get_pos()
     + get vel()
     + get accel()
     + get fext()
               -dynamics
        Equacoes
- oscillator
```

- view

+ Equacoes()

+ calculo()

+ parametros\_dinamicos()
+ parametros sistema()