

```
d = 0.4763;  
a = 0.1781;  
A = 15.5179;  
g = 980;  
Km = 3.88;  
L0 = 15;  
V0 = (2*a^2*g*L0)^0.5 / Km;  
constant = (2*a^2*g)^0.5 / Km;  
Kp = 7;  
e = 1/2 * ((a^2*g)/(A*Km*V0) + Km*Kp/A) * (A/Km)^0.5;
```