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Mechanical engineering

(ENC1382) ~~1972~~ ~~old~~ = ~~6/10/21~~

Command window

Clear

Clc

format short

$$m = 3.5;$$

$$V = 0.5;$$

$$g = 9.8;$$

$$F = m * g$$

$$V = \text{Sqrt}(((F + (0.02 * V)) * (\log(V) \wedge 3)) + (10 * V) + 17150) / 0.3);$$

for i = 1 : inf

Iter (i+1) = i;

$$V(i+1) = \text{Sqrt}(((F + (0.02 * V(i))) * (\log(V(i)) \wedge 3)) + (10 * V(i)) + 17150) / 0.3);$$

$$Er(i+1) = \text{abs}(((V(i+1) - V(i)) / V(i+1)) * 100);$$

if Er(i+1) <= 1E-11

break

end
end
Tabloid = fable (Ifer 'i', V 'e', 'i')

unbraced brackets

clear

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format

2-8 = m

2-0 = v

2-P = P