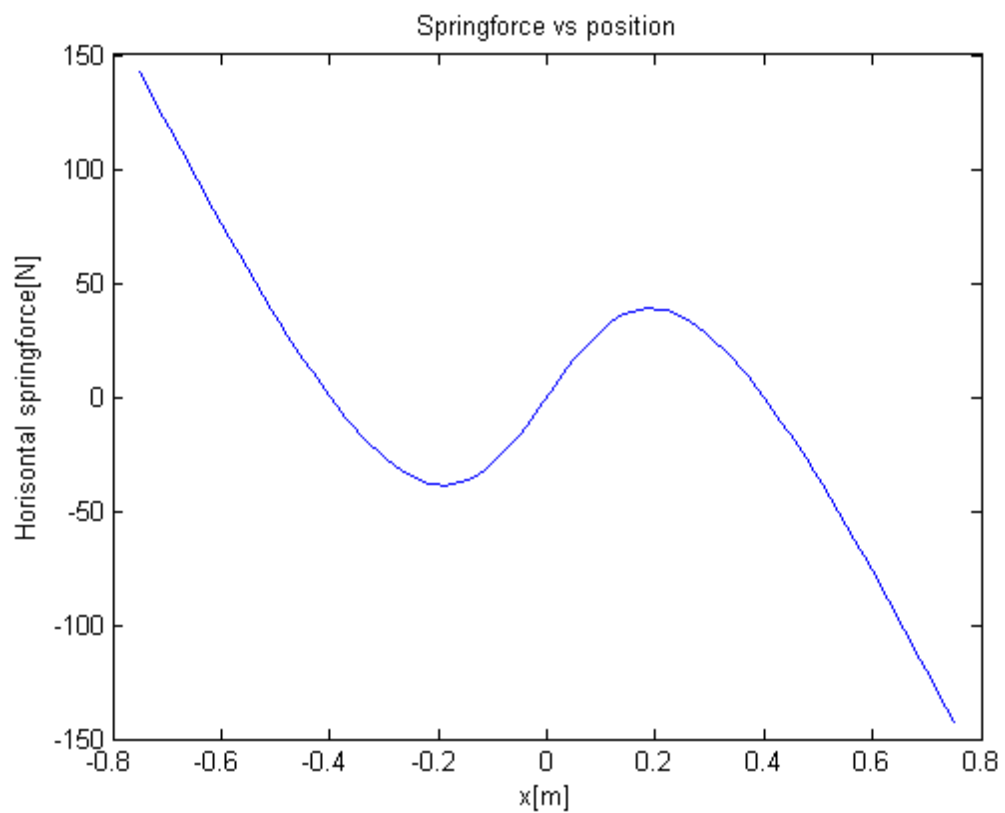


---

```
k = 500; %m
m = 5; %N/m
h = .3; %m
L0 = .5; %m

x = linspace(-.75,.75,100);
Fx = -k.*x.*(1-L0./sqrt(x.^2+h^2));

plot(x,Fx)
title('Springforce vs position')
xlabel('x[m]')
ylabel('Horisontal springforce[N]')
```



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