

```

1  n = 100;
2
3  l0 = 10;
4  h = sin(degtorad(20))*10;
5  u = linspace(-0.5*h,2.5*h,n);
6  ea = 10000;
7
8  c = cos(degtorad(20));
9  s = sin(degtorad(20));
10
11  Klin = ea/l0* [ c^2   -c*s   -c^2   c*s;
12                s^2   c*s   -s^2;
13                c*s   c^2   -c*s;
14                -s^2  -c*s   s^2];
15
16  for i = 1:n
17      F = Klin * [0;0;0;-u(i)];
18      F2y(i) = -F(4);
19  end

```

-c*s

-c^2

c*s