

```
R = 2;  
L = 8e-3;  
Ka = 0.2;  
J2 = 0.1e-3;  
B2 = 50e-6;  
N = 5;  
J4 = 1e-3;  
B4 = 70e-6;
```

```
A = [-R./L -Ka.*N./L; Ka.*N./(J2.*N.^2 + J4) -(B2.*N.^2 + B4)./(J2.*N.^2 + J4)];  
B = [1./L; 0];  
C = [0 N; 0 1];  
D = [0; 0];
```

```
sys = ss(A, B, C, D);
```

```
opt = stepDataOptions('StepAmplitude', 20);  
step(sys, opt)
```

