

```

Sim_time = 15;
F = 1;
M = 1;
b = 1;
k = 1;
sim("Tf_model.slx")

```

```

ans =
  Simulink.SimulationOutput:

      F: [1x1 timeseries]
      X: [1x1 timeseries]
      tout: [53x1 double]

  SimulationMetadata: [1x1 Simulink.SimulationMetadata]
  ErrorMessage: [0x0 char]

```

```

figure
plot(ans.X)
hold on
plot(ans.F)
ylabel("displacement")
xlabel("Time")
title("my title")

```

