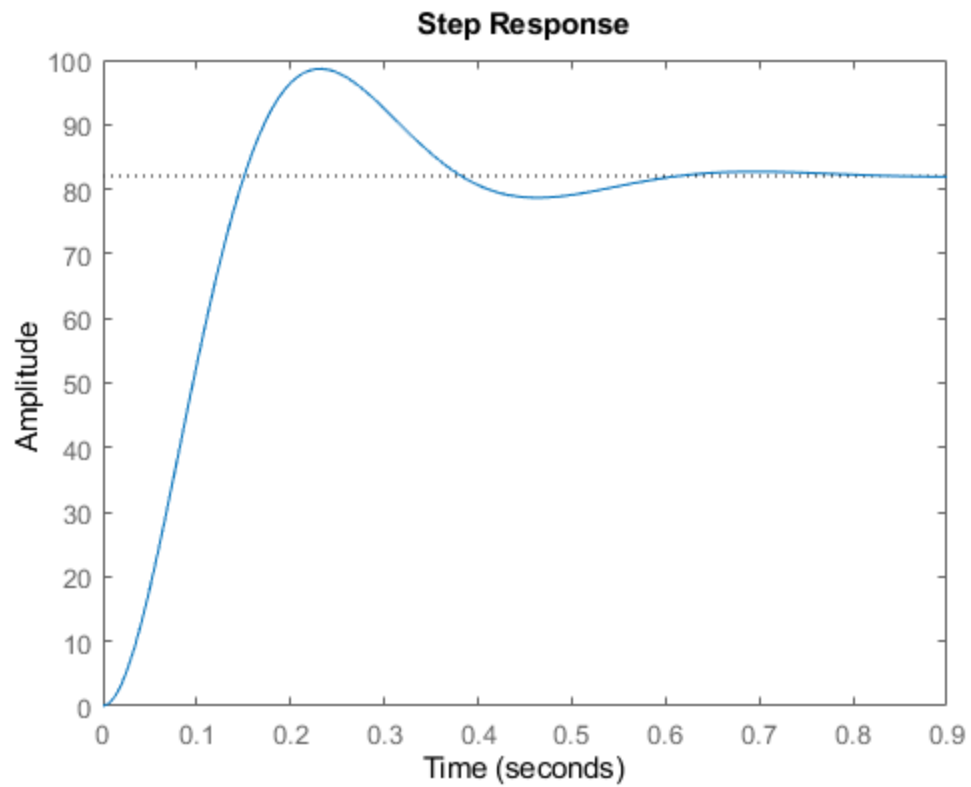

```
% Presenting and simplifying transfer function
%  $(0.005s + 0.1)G_p(s) / (0.005s + 0.1)(10 + G_p(s))$ 
% where  $G_p(s) = 45.673 / (s/4.45 + 1)(s/9.35 + 1)$ 
s = tf("s");
Gp = 45.673 / (((s / 4.45) + 1) * ((s / 9.35) + 1));
Cltf = (0.005 * s + 0.1) * Gp / ((0.005 * s + 0.1) * (10 + Gp));
Cltf_simplified = minreal(Cltf);

% Part b: Using a step input of Wref = 100rad/s
% #ref = L{Wref} = 100/s

step(100 * Cltf_simplified);
step_input_data = stepinfo(100 * Cltf_simplified);
```



Published with MATLAB® R2021a