

Kod sa vežbi br. 7.

Opažanja:

- staviti u Modeling > Solver: Solver Selection: Type: **Fixed step**
- Postaviti step time na **0s**
- Vreme posmatranja do **30 ms**
- Format izlaznog bloka ToWorkspace da bude **Timeseries**
- Primeniti pristup struct-u kao **simtemp.vR2.Data**

```
clear variables
filename = 'RRLC_BPF_v3_TS.slx';

% Osnovni podaci
C_var = 1e-6; % default C_var
simtemp = sim(filename); % initial simulation
time = simtemp.tout;
N = length(time);

% Niz vrednosti kapacitivnosti
C_var_array = [1 2 5 10 15] * 1e-6; % Array of capacitances
K = length(C_var_array);

vR2_sim = zeros(N,K);

for k=1:1:K
    C_var = C_var_array(k);
    simtemp = sim(filename);
    vR2_sim(:,k) = simtemp.vR2.Data;
end

figure
hold on
for k=1:1:K
    plot(time, vR2_sim(:,k));
end
hold off;
grid on;
legend(string([1 2 5 10 15]))
```







